

Shuangjun Chen

List of Publications by Year in descending order

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53
papers

1,045
citations

331670

21
h-index

477307

29
g-index

54
all docs

54
docs citations

54
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystalline Phase Formation of Poly(vinylidene fluoride) from Tetrahydrofuran/N,N-dimethylformamide Mixed Solutions. <i>Journal of Macromolecular Science - Physics</i> , 2008, 47, 434-449.	1.0	84
2	Crystallization of PVDF in the PVDF/PMMA blends precipitated from their non-solvents: Special "orientation" behavior, morphology, and thermal properties. <i>Journal of Crystal Growth</i> , 2011, 328, 74-80.	1.5	48
3	Surface treatment of LLDPE and LDPE blends by nitric acid, sulfuric acid, and chromic acid etching. <i>Colloid and Polymer Science</i> , 2009, 287, 541-548.	2.1	43
4	Controlled crystallization of poly(vinylidene fluoride) chains from mixed solvents composed of its good solvent and nonsolvent. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 575-581.	2.1	42
5	Investigation of UV aging influences on the crystallization of ethylene-vinyl acetate copolymer via successive self-nucleation and annealing treatment. <i>Journal of Polymer Research</i> , 2010, 17, 827-836.	2.4	40
6	Crystallization behavior and hydrophilicity of poly(vinylidene fluoride) (PVDF)/poly(styrene-co-acrylonitrile) (SAN) blends. <i>Colloid and Polymer Science</i> , 2008, 286, 1193-1202.	2.1	35
7	Synthesis and characterization of vinyl-terminated copolysiloxanes containing 3,3,3-trifluoropropyl groups. <i>Polymer Chemistry</i> , 2012, 3, 2366.	3.9	34
8	Hydrophilic modification of poly(vinylidene fluoride) (PVDF) by in situ polymerization of methyl methacrylate (MMA) monomer. <i>Colloid and Polymer Science</i> , 2010, 288, 1327-1332.	2.1	33
9	Glycolysis of poly(ethylene terephthalate) waste catalyzed by mixed Lewis acidic ionic liquids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3489-3497.	3.6	31
10	Non-isothermal crystallization behaviors of poly(4-methyl-pentene-1). <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 103, 229-236.	3.6	30
11	Multiple melting and partial miscibility of ethylene-vinyl acetate copolymer/low density polyethylene blends. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2863-2871.	2.6	29
12	Kinetics of Thermally Induced Phase Separation in the PVDF Blend/Methyl Salicylate System and Its Effect on Membrane Structures. <i>Journal of Macromolecular Science - Physics</i> , 2010, 50, 1-15.	1.0	29
13	Crystallization behavior and hydrophilicity of poly(vinylidene fluoride)/poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262	3.1	27
14	Fluorine modification on titanium dioxide particles: Improving the anti-icing performance through a very hydrophobic surface. <i>Applied Surface Science</i> , 2019, 476, 161-173.	6.1	26
15	Hydrophilicity and crystallization behavior of PVDF/PMMA/TiO ₂ (SiO ₂) composites prepared by in situ polymerization. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	25
16	Effect of damp heat aging on the properties of ethylene-vinyl acetate copolymer and ethylene-acrylic acid copolymer blends. <i>Journal of Applied Polymer Science</i> , 2009, 114, 3110-3117.	2.6	23
17	Improvement in the heat resistance of poly(vinyl chloride) profile with styrenic polymers. <i>Journal of Vinyl and Additive Technology</i> , 2011, 17, 85-91.	3.4	23
18	Crystallization behavior of PVDF/PMMA blends prepared by in situ polymerization from DMF and ethanol. <i>Journal of Materials Science</i> , 2012, 47, 3720-3728.	3.7	23

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19	Membrane formation of poly(vinylidene fluoride)/poly(methyl methacrylate)/diluent via thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1235-1245.	2.6	22
20	Non-isothermal crystallization kinetics and melting behavior of EAA with different acrylic acid content. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 959-967.	3.6	22
21	Photodegradation of plasticized poly(vinyl chloride) stabilized by different types of thermal stabilizers. <i>Polymer Engineering and Science</i> , 2011, 51, 624-631.	3.1	22
22	Blends of poly(vinyl chloride) with \pm -methylstyrene-acrylonitrile-butadiene-styrene copolymer: Thermal properties, mechanical properties, and morphology. <i>Journal of Vinyl and Additive Technology</i> , 2013, 19, 1-10.	3.4	21
23	Effect of core-shell structured modifier ACR on ASA/SAN/ACR ternary blends. <i>Journal of Materials Science</i> , 2012, 47, 5041-5049.	3.7	20
24	Effect of the combination of a benzophenone-type ultraviolet absorber with thermal stabilizers on the photodegradation of poly(vinyl chloride). <i>Journal of Vinyl and Additive Technology</i> , 2010, 16, 23-32.	3.4	18
25	Crystallization behavior and hydrophilicity of poly(vinylidene fluoride) (PVDF)/poly(methylmethacrylate) (PMMA)/poly(styrene-co-acrylonitrile) (SAN) ternary blends. <i>Colloid and Polymer Science</i> , 2009, 287, 147-155.	2.1	17
26	Poly(vinyl chloride)/poly(\pm -methylstyrene-acrylonitrile)/acrylic resin ternary blends with enhanced toughness and heat resistance. <i>Polymers for Advanced Technologies</i> , 2012, 23, 336-342.	3.2	16
27	Combined effect of hindered amine light stabilizer and ultraviolet absorbers on photodegradation of poly(vinyl chloride). <i>Journal of Vinyl and Additive Technology</i> , 2012, 18, 17-25.	3.4	16
28	Effect of hot air aging on the properties of ethylene-vinyl acetate copolymer and ethylene-acrylic acid copolymer blends. <i>Journal of Applied Polymer Science</i> , 2009, 112, 1166-1174.	2.6	15
29	Effect of relatively nontoxic thermal stabilizers on photodegradation of poly(vinyl chloride). <i>Polymer Engineering and Science</i> , 2010, 50, 1095-1104.	3.1	15
30	A Study on Properties of Poly(vinyl chloride)/Poly(\pm -methylstyrene-acrylonitrile) Binary Blends. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 22-34.	1.0	15
31	Non-isothermal melt crystallization kinetics for ethylene-acrylic acid copolymer in diluents via thermally induced phase separation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 243-254.	3.6	14
32	Synergistic effect of hindered amine light stabilizers/ultraviolet absorbers on the plasticized PVC during photo-radiation. <i>Journal of Applied Polymer Science</i> , 2012, 125, 3376-3384.	2.6	13
33	Preparation and properties of polydimethylsiloxane-mica composites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3017-3025.	2.6	13
34	Effect of UV absorbers and hindered amine light stabilizers on the photodegradation of ethylene-octene copolymer. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1135-1147.	2.6	13
35	Crystallization behaviors of poly(vinylidene fluoride) and poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (methacryla Calorimetry, 2016, 125, 215-230.	3.6	13
36	Effect of ionic liquid on crystallization kinetics and crystal form transition of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td	3.6	13

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37	RTV Silicone Rubber Filled with Surface Modified Montmorillonite. Journal of Macromolecular Science - Physics, 2012, 51, 2449-2461.	1.0	12
38	Morphology and crystallization behavior of poly(vinylidene fluoride)/poly(methyl methacrylate) blends. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 248-260.	2.1	11
39	Effect of hot air aging on properties of EPDM/SmBO ₃ /EVA and EPDM/ATO/EVA composites. Journal of Applied Polymer Science, 2011, 122, 3277-3289.	2.6	11
40	Pyrene-based bisboronic sensors for multichannel enantioselective recognition of tartaric acid. Dyes and Pigments, 2019, 163, 227-231.	3.7	11
41	Properties and crystallization behavior of poly (vinylidene fluoride) (PVDF)/thermoplastic polyurethane elastomer (TPU) blends. Desalination and Water Treatment, 2011, 34, 184-189.	1.0	10
42	A multifunctional cool material with contamination-resistant and anti-icing characters based on the application of fluorinated TiO ₂ . Solar Energy Materials and Solar Cells, 2019, 201, 110091.	6.2	10
43	Sub-10 nm Feature Sizes of Disordered Polystyrene- <i>block</i> -poly(methyl methacrylate) Copolymer Films Achieved by Ionic Liquid Additives with Selectively Distributed Charge Interactions. ACS Applied Polymer Materials, 2020, 2, 427-436.	4.4	10
44	Effect of PPEGMA content on the structure and hydrophilicity of PVDF/PPEGMA blends prepared by in situ polymerization. Colloid and Polymer Science, 2013, 291, 1573-1580.	2.1	8
45	Characterization, Solar Reflectance, and Crystal Properties of Polyethylene and Ethylene Copolymer after Thermal Treatment. International Journal of Polymer Analysis and Characterization, 2013, 18, 257-268.	1.9	7
46	Effects of γ -CH ₂ CH ₂ CH ₂ CF ₃ on properties of RTV polysiloxane rubber: Processability, thermal stability, and oil/solvent resistance. Journal of Applied Polymer Science, 2014, 131, .	2.6	7
47	Confined crystallization kinetics and scale of semicrystalline block copolymer via non-isothermal method. Journal of Thermal Analysis and Calorimetry, 2017, 127, 2341-2351.	3.6	6
48	Effect of the combination of a benzotriazole-type ultraviolet absorber with thermal stabilizers on the photodegradation of poly(vinyl chloride). Journal of Vinyl and Additive Technology, 2010, 16, 175-182.	3.4	5
49	Improving flame retardancy and mechanical properties of halogen-free unsaturated polyester resin with diethylene glycol as comonomer. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2171-2181.	3.6	5
50	Combined effect of VA content and pH level of filler on properties of EPDM/SmBO ₃ and EPDM/ATO composites reinforced by three types of EVA. Journal of Applied Polymer Science, 2010, 117, 1741-1749.	2.6	3
51	Preparation and characterization of ethylene-butene copolymer (EBC)/mica composites. Journal of Polymer Research, 2011, 18, 2403-2413.	2.4	3
52	Reversible polystyrene-block-poly(methyl methacrylate) copolymer films with perpendicular orientation by ultra-thin polystyrene substrates. Progress in Organic Coatings, 2020, 147, 105721.	3.9	2
53	Properties of LDPE/POE-g-MA Composites Containing Multiwall Carbon Nanotubes Modified by Fumed Silicon Dioxide. Polymer-Plastics Technology and Engineering, 2012, 51, 277-282.	1.9	1