Zhanhai Yao

List of Publications by Year
in descending order

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40 papers	357 citations	932766 10 h-index	887659 17 g-index
40 all docs	40 docs citations	40 times ranked	355 citing authors

#	Article	IF	Citations
1	Morphology, thermal behavior, and mechanical properties of PA6/UHMWPE blends with HDPE-g-MAH as a compatibilizing agent. Journal of Applied Polymer Science, 2000, 75, 232-238.	1.3	47
2	Efforts to decrease crosslinking extent of polyethylene in a reactive extrusion grafting process. Journal of Applied Polymer Science, 2001, 79, 535-543.	1.3	33
3	Morphology, structure, and properties ofin situ compatibilized linear low-density polyethylene/polystyrene and linear low-density polyethylene/high-impact polystyrene blends. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1837-1849.	2.4	33
4	Improvement of Thermal Conductivities for Epoxy Composites via Incorporating Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td Research, 2019, 58, 18635-18643.	1.8	24
5	The Balanced Insulating Performance and Mechanical Property of PP by Introducing PP-g-PS Graft Copolymer and SEBS Elastomer. Industrial & Engineering Chemistry Research, 2018, 57, 6696-6704.	1.8	23
6	Synthesis of amphiphilic poly(cyclooctene)-graft-poly(ethylene glycol) copolymersviaROMP and its surface properties. Polymer Chemistry, 2011, 2, 679-684.	1.9	16
7	The influence of nanoâ€PS particle on structure evolution and electrical properties of PP/PS. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 706-717.	2.4	13
8	Effective Strategy for Improving the Dielectric Strength and Insulation Lifetime of LLDPE. Industrial & Engineering Chemistry Research, 2019, 58, 9372-9379.	1.8	12
9	Thionyl Chloride Corrodes Hexagonal Boron Nitride to Generate Reactive Functional Groups. Langmuir, 2021, 37, 6442-6450.	1.6	12
10	Preparation and Properties of a Reactive Type Nonionic Surfactant Grafted Linear Low Density Polyethylene. Polymer Bulletin, 2007, 59, 135-144.	1.7	11
11	Polyethylene Grafted Polyether Pentaerythritol Mono-Maleate to Improve Wettability of Liquid on Polyethylene Films. Polymer-Plastics Technology and Engineering, 2013, 52, 603-606.	1.9	11
12	Effect of the compatibilization of linear low-density polyethylene-g-acrylic acid on the morphology and mechanical properties of poly(butylene terephthalate)/linear low-density polyethylene blends. Journal of Applied Polymer Science, 2002, 84, 1059-1066.	1.3	10
13	Direct introduction of elemental sulfur into polystyrene: A new method of preparing polymeric materials with both high refractive index and Abbe number. Polymer, 2019, 180, 121715.	1.8	9
14	Electrical Properties of LLDPE/LLDPE-g-PS Blends with Carboxylic Acid Functional Groups for Cable Insulation Applications. ACS Applied Polymer Materials, 2020, 2, 3450-3457.	2.0	9
15	Preparation, Characterization, and Properties of Pre-irradiated Linear Low-Density Polyethylene Grafted Itaconic Anhydride by Reactive Extrusion. Journal of Macromolecular Science - Physics, 2010, 49, 75-85.	0.4	8
16	Large Area, Highly Transparent, and Mechanically Stable Adhesive Films with Tunable Refractive Indices. Macromolecular Chemistry and Physics, 2018, 219, 1700608.	1.1	8
17	Long-lasting intrinsic polyethylene antifogging films generated by incorporating SiO₂ nanoparticles into covalently grafted antifog agents. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 826-836.	1.2	7
18	Effect of pre-irradiation PPO-grafted maleic anhydride on structure and properties of PPO-g-MAH/PA66 blends. Radiation Effects and Defects in Solids, 2014, 169, 344-352.	0.4	6

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19	Layer-by-layer assembled transparent polymeric adhesive films with adjustable refractive indices. International Journal of Adhesion and Adhesives, 2018, 85, 202-207.	1.4	6
20	Enhanced electrical insulating properties of polyethylene by incorporating polyethyleneâ€gâ€polystyrene graft copolymers. Polymer International, 2021, 70, 193-201.	1.6	6
21	Preparation and Properties of a Novel Nonionic Surfactant Grafted Linear Low Density Polyethylene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 963-968.	1.2	5
22	Effects of UHMWPE-g-AMPS on the Morphology, Structure and Mechanical Properties of PA1010/UHMWPE Blends. Polymer-Plastics Technology and Engineering, 2013, 52, 1338-1342.	1.9	5
23	Preparation and properties of polymerizable 1,8â€naphthalimide fluorescent dye grafted linear lowâ€density polyethylene. Journal of Applied Polymer Science, 2015, 132, .	1.3	5
24	Preparation and Properties of Polyether Pentaerythritol Monoâ€maleate grafted Linear Low Density Polyethylene by Reactive Extrusion. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 295-301.	1.2	4
25	Improving light converting properties with wettability of polyethylene film by rare earth complex Eu(GI)₃Phen. Polymer-Plastics Technology and Materials, 2020, 59, 1875-1886.	0.6	4
26	Tribological, Mechanical Properties, and Morphology of Polyphenylene Oxide/Ultrahigh Molecular Weight Polyethylene Blends. Polymer-Plastics Technology and Engineering, 2017, 56, 535-542.	1.9	3
27	Influence of Ungrafted Monomers in Graft Copolymers on Electrical Insulating Properties of Polyethylene. Industrial & Engineering Chemistry Research, 2020, 59, 16112-16121.	1.8	3
28	Synthesis of a dripping agent based on lauric acid diethanolamide and delaying its migration in LLDPE films. Polymer-Plastics Technology and Materials, 2020, 59, 1100-1108.	0.6	3
29	Improving the properties of ABS by blending with PP and using PP-g-PS as a compatibilizer. Polymer-Plastics Technology and Materials, 2021, 60, 798-806.	0.6	3
30	Preparation and Properties of Polyether Pentaerythritol Monoâ€maleate Grafted Linear Low Density Polyethylene by Reactive Extrusion. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 400-405.	1.2	2
31	Preparation, Characterization and Properties of Reactive Type Dripping Agent Tween 60-IAH and Their Grafting Copolymer With Linear Low Density Polyethylene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2015, 52, 492-497.	1.2	2
32	Pre-irradiation grafting of span 60-IAH onto polyethylene to improve dripping properties of water on polyethylene films. Journal of Macromolecular Science - Pure and Applied Chemistry, 2017, 54, 47-51.	1.2	2
33	Demulsificationâ€induced Fast Solidification: A Novel Strategy for the Preparation of Polymer Films Based on Inorganic Salt Solutions and Organic Solvents. Macromolecular Materials and Engineering, 2019, 304, 1900250.	1.7	2
34	Homogeneous nanofillers for enhanced mechanical connection and improved refractive index: application for optical bonding. Journal of Adhesion, 2021, 97, 634-650.	1.8	2
35	Effects of modified hexagonal boron nitride on electrical insulation properties of <scp>LLDPE</scp>/<scp>EAA</scp> nanocomposites. Polymer International, 2022, 71, 950-958.	1.6	2
36	Effective strategy for improving electrical properties of polyethylene insulating materials by doping graphene. Journal of Materials Science, 2022, 57, 5036-5049.	1.7	2

#	ARTICLE	IF	CITATIONS
37	Sepiolite Fiber Supports Tin Powder and Boron Nitride to Prepare Epoxy Composites with Insulation Properties and High Through-Plane Thermal Conductivity. ACS Applied Electronic Materials, 0, , .	2.0	2
38	Preparation and properties of LLDPE/LLDPE-g-PS/MgO@PS Nanocomposites. Polymer-Plastics Technology and Materials, 0, , 1-9.	0.6	1
39	An effective method for delayed migration of dripping agent from linear lowâ€density polyethylene films. Polymers for Advanced Technologies, 2021, 32, 1560-1567.	1.6	1
40	Preparation and Characterization of Melt Grafting 2-acrylamido-2-methyl-1-propanesulfonic Acid onto Pre-Irradiated Linear Low Density Polyethylene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 625-630.	1.2	0