Yonggang Shangguan

List of Publications by Year
in descending order

32	672	567281 15	580821 25
papers	citations	h-index	g-index

32	32	32	553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morphology, microstructure and compatibility of impact polypropylene copolymer. Polymer, 2010, 51, 4969-4977.	3.8	104
2	Toughening with little rigidity loss and mechanism for modified polypropylene by polymer particles with coreâ€“shell structure. Polymer, 2015, 65, 81-92.	3.8	50
3	Influence of molten-state annealing on the phase structure and crystallization behaviour of high impact polypropylene copolymer. Polymer, 2011, 52, 2956-2963.	3.8	43
4	A new approach to fabricate polypropylene alloy with excellent low-temperature toughness and balanced toughness-rigidity through unmatched thermal expansion coefficients between components. Polymer, 2017, 112, 318-324.	3.8	43
5	New Insight into Time-Temperature Correlation for Polymer Relaxations Ranging from Secondary Relaxation to Terminal Flow: Application of a Universal and Developed WLF Equation. Polymers, 2017, 9, 567.	4.5	33
6	Balanced toughening and strengthening of ethyleneâ€“propylene rubber toughened isotactic polypropylene using a poly(styrene-b-ethyleneâ€“propylene) diblock copolymer. RSC Advances, 2015, 5, 20831-20837.	3.6	30
7	Effects of molecular entanglement on molecular dynamics and phase-separation kinetics of poly(methyl methacrylate)/poly(styrene-co-maleic anhydride) blends. Polymer, 2012, 53, 1418-1427.	3.8	29
8	Toughening mechanism of polypropylene bends with polymer particles in core-shell structure: Equivalent rubber content effect related to core-shell interfacial strength. Polymer, 2019, 178, 121602.	3.8	29
9	Toughening mechanism of PP/EPR/SiO2 composites with superior low-temperature toughness. Composites Science and Technology, 2021, 207, 108691.	7.8	28
10	Rheological properties of redox-responsive, associative ferrocene-modified branched poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	27
11	Correlation between impact properties and phase structure in impact polypropylene copolymer. Materials & Design, 2015, 69, 56-63.	5.1	25
12	Kinetic analysis on spherulite growth rate of polypropylene catalloys. Polymer, 2007, 48, 4567-4577.	3.8	23
13	Rheology of nitrile rubber with hybrid crosslinked network composed of covalent bonding and hydrogen bonding. RSC Advances, 2017, 7, 15978-15985.	3.6	21
14	Control of multilayered coreâ€“shell dispersed particles in HPP/EPR/EbP blends and its influences on crystallization and dynamic mechanical behavior. Polymer, 2014, 55, 6176-6185.	3.8	19
15	Shear induced self-thickening in chitosan-grafted polyacrylamide aqueous solution. Soft Matter, 2013, 9, 1835-1843.	2.7	18
16	Fabrication of polypropylene blends with excellent lowâ€temperature toughness and balanced toughnessâ€rigidity by a combination of EPR and SEEPS. Journal of Applied Polymer Science, 2018, 135, 45714.	2.6	17
17	A facile fabrication of polypropylene composites with excellent low-temperature toughness through tuning interfacial area between matrix and rubber dispersion by silica nanoparticles located at the interface. Composites Science and Technology, 2019, 184, 107846.	7.8	17
18	Simultaneously enhancing strength and toughness for impact polypropylene copolymers by regulating the dispersed phase with high density polyethylene. RSC Advances, 2014, 4, 58999-59008.	3.6	14

#	Article	IF	Citations
19	Ferrocene-Modified Polyelectrolyte Film-Coated Electrode and Its Application in Glucose Detection. Polymers, 2019, 11, 551.	4.5	14
20	Nonlinear phaseâ€separation behavior of poly(methyl methacrylate)/poly(styreneâ€coâ€maleic) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.1	11
21	Toughening mechanism in impact polypropylene copolymer containing a Î²-nucleating agent. RSC Advances, 2016, 6, 23117-23125.	3.6	10
22	A facile and environmentally friendly approach to fabricate hybrid crosslinked nitrile butadiene rubber with comprehensively improved mechanical performances by incorporating sacrificial ionic bonds. Polymer, 2019, 161, 55-63.	3.8	10
23	Investigation on LCST behavior of a new amorphous/crystalline polymer blend: Poly(nâ€methyl) Tj ETQq1 1 0.784314 rgBT /Over 46, 1923-1931.	2.1	8
24	Multiregion Shear Thinning for Subsequent Static Self-Thickening in Chitosan-graft-polyacrylamide Aqueous Solution. Journal of Physical Chemistry B, 2013, 117, 15111-15121.	2.6	8
25	Thermo-thickening behavior and its mechanism in a chitosan-graft-polyacrylamide aqueous solution. Soft Matter, 2018, 14, 6667-6677.	2.7	8
26	Effects of Crosslinking and Silicone Coupling Agent on Properties of EVA Composite Hot Melt Adhesive. Polymers, 2021, 13, 4101.	4.5	8
27	Adjustable brittle-ductile transition behavior and rheological behavior of polypropylene random copolymer nanocomposites through well interfacial-loaded nanoparticles. Composites Part B: Engineering, 2022, 238, 109939.	12.0	8
28	Ultra-high impact PPR composites at low-temperature through enhanced preferential loading of nanoparticles at polymeric interface induced by properly vulcanized rubber dispersed phase. Composites Science and Technology, 2022, 227, 109593.	7.8	5
29	Destruction mechanism of coreâ€“shell particles in impact polypropylene copolymer during short molten-state annealing. RSC Advances, 2014, 4, 57935-57944.	3.6	4
30	Dynamics and Rheological Behavior of Chitosan-Grafted-Polyacrylamide in Aqueous Solution upon Heating. Polymers, 2020, 12, 916.	4.5	4
31	TIME AND TEMPERATURE DEPENDENCE OF PHASE-SEPARATION BEHAVIOR FOR POLY(<I>N</I>-METHYL) Tj ETQq1 1 0.784314 rgBT /O	0.0	3
32	Effect of sacrificial bond on molecular dynamics and rheological behavior of hybrid butadieneâ€styreneâ€vinylpyridine rubber vulcanizates with reversible sacrificial network. Journal of Polymer Science, 0, , .	3.8	1