Haiying Tan

List of Publications by Year
in descending order

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29	728	567281 15	526287 27
papers	citations	h-index	g-index

29	29	29	1016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metallosupramolecular Photonic Elastomers with Selfâ€Healing Capability and Angleâ€Independent Color. Advanced Materials, 2019, 31, e1805496.	21.0	160
2	Supramolecular Photonic Elastomers with Brilliant Structural Colors and Broadâ€Spectrum Responsiveness. Advanced Functional Materials, 2020, 30, 2000008.	14.9	59
3	Responsive Photonic Hydrogel-Based Colorimetric Sensors for Detection of Aldehydes in Aqueous Solution. Langmuir, 2018, 34, 3987-3992.	3.5	55
4	A new grafting monomer for synthesizing long chain branched polypropylene through melt radical reaction. Polymer, 2012, 53, 121-129.	3.8	54
5	Emulsion Solvent Evaporation-Induced Self-Assembly of Block Copolymers Containing pH-Sensitive Block. Langmuir, 2017, 33, 9889-9896.	3.5	49
6	Regulating Block Copolymer Assembly Structures in Emulsion Droplets through Metal Ion Coordination. Langmuir, 2018, 34, 11495-11502.	3.5	27
7	Melt viscosity behavior of C60 containing star polystyrene composites. Soft Matter, 2013, 9, 6282.	2.7	26
8	Interplay between the composition of LLDPE/PS blends and their compatibilization with polyethylene-graft-polystyrene in the foaming behaviour. RSC Advances, 2015, 5, 27181-27189.	3.6	24
9	Catalytic Carbonization of Chlorinated Poly(vinyl chloride) Microfibers into Carbon Microfibers with High Performance in the Photodegradation of Congo Red. Journal of Physical Chemistry C, 2013, 117, 17016-17023.	3.1	23
10	Reactive construction of catalytic carbonization system in PP/C60/Ni(OH)2 nanocomposites for simultaneously improving thermal stability, flame retardancy and mechanical properties. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105722.	7.6	23
11	Synthesis and linear rheological property of comb-like styrene-based polymers with a high degree of branch chain. Polymer, 2015, 59, 252-259.	3.8	22
12	Synthesis and structureâ€“property relationships of polypropylene-g-polystyrene and polypropylene-g-poly(n-butyl acrylate) graft copolymers with well-defined molecular structures. Polymer, 2013, 54, 3641-3653.	3.8	21
13	Nanostructure and Linear Rheological Response of Comb-like Copolymer PSVS-g-PE Melts: Influences of Branching Densities and Branching Chain Length. Macromolecules, 2015, 48, 7640-7648.	4.8	21
14	Controlled Chainâ€Scission of Polybutadiene by the Schwartz Hydrozirconation. Chemistry - A European Journal, 2013, 19, 541-548.	3.3	20
15	Self-healing and recyclable photonic elastomers based on a water soluble supramolecular polymer. Materials Chemistry Frontiers, 2019, 3, 2707-2715.	5.9	20
16	Revealable photonic prints with oppositely responsive polymers for improved visual sensing. Journal of Materials Chemistry C, 2020, 8, 9286-9292.	5.5	15
17	Solvent Quality-Mediated Regioselective Modification of Gold Nanorods with Thiol-Terminated Polymers. Langmuir, 2020, 36, 15162-15168.	3.5	15
18	Effect of polystyrene long branch chains on melt behavior and foaming performance of poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.6	13

#	Article	IF	Citations
19	The rheological, thermostable, and mechanical properties of polypropylene/fullerene C₆₀ nanocomposites with improved interfacial interaction. Polymer Engineering and Science, 2012, 52, 1457-1463.	3.1	12
20	Dependence of Melt Behavior of Star Polystyrene/POSS Composites on the Molecular Weight of Arm Chains. Journal of Physical Chemistry B, 2014, 118, 5229-5239.	2.6	11
21	Particle-size dependent melt viscosity behavior and the properties of three-arm star polystyreneâ€“Fe₃O₄composites. Soft Matter, 2015, 11, 3986-3993.	2.7	11
22	Insight on the striking influence of the chain architecture on promoting the exfoliation of clay in a polylactide matrix during the annealing process. Soft Matter, 2013, 9, 10891.	2.7	9
23	Synthesis of polystyrene-based Y-shaped asymmetric star by the combination of ATRP/RAFT and its thermal and rheological properties. RSC Advances, 2016, 6, 106648-106655.	3.6	9
24	Light-triggered disassembly of photo-responsive gold nanovesicles for controlled drug release. Materials Chemistry Frontiers, 2020, 4, 2805-2811.	5.9	8
25	Relationship between branch length and the compatibilizing effect of polypropyleneâ€gâ€polystyrene graft copolymer on polypropylene/polystyrene blends. Journal of Applied Polymer Science, 2014, 131, .	2.6	6
26	A comparative study of polyethylene and polyethylene/C₆₀ nanocomposites modified with organic peroxide. Journal of Applied Polymer Science, 2013, 129, 371-382.	2.6	4
27	Generation of Aligned Electrospun Fibers by Using Insulating and Hydrophobic Collectors. ACS Applied Polymer Materials, 2020, 2, 2151-2159.	4.4	4
28	Insight into the influence of polymer topological structure on the exfoliation of clay in polystyrene matrix via annealing process. Applied Clay Science, 2020, 194, 105708.	5.2	4
29	Highly efficient synthesis and characterization of multiarm and miktoarm star-long-branched polymers via click chemistry. RSC Advances, 2015, 5, 34466-34474.	3.6	3