

# Haiying Tan

## List of Publications by Year in descending order

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papers

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1016  
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| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Reactive construction of catalytic carbonization system in PP/C60/Ni(OH) <sub>2</sub> nanocomposites for simultaneously improving thermal stability, flame retardancy and mechanical properties. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105722. | 7.6  | 23        |
| 2  | Light-triggered disassembly of photo-responsive gold nanovesicles for controlled drug release. Materials Chemistry Frontiers, 2020, 4, 2805-2811.   | 5.9  | 8         |
| 3  | Generation of Aligned Electrospun Fibers by Using Insulating and Hydrophobic Collectors. ACS Applied Polymer Materials, 2020, 2, 2151-2159.   | 4.4  | 4         |
| 4  | Revealable photonic prints with oppositely responsive polymers for improved visual sensing. Journal of Materials Chemistry C, 2020, 8, 9286-9292.   | 5.5  | 15        |
| 5  | 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         |
| 6  | Supramolecular Photonic Elastomers with Brilliant Structural Colors and Broad Spectrum Responsiveness. Advanced Functional Materials, 2020, 30, 2000008.  | 14.9 | 59        |
| 7  | Solvent Quality-Mediated Regioselective Modification of Gold Nanorods with Thiol-Terminated Polymers. Langmuir, 2020, 36, 15162-15168.  | 3.5  | 15        |
| 8  | Metallosupramolecular Photonic Elastomers with Self-Healing Capability and Angle-Independent Color. Advanced Materials, 2019, 31, e1805496.   | 21.0 | 160       |
| 9  | Self-healing and recyclable photonic elastomers based on a water soluble supramolecular polymer. Materials Chemistry Frontiers, 2019, 3, 2707-2715.   | 5.9  | 20        |
| 10 | Responsive Photonic Hydrogel-Based Colorimetric Sensors for Detection of Aldehydes in Aqueous Solution. Langmuir, 2018, 34, 3987-3992.  | 3.5  | 55        |
| 11 | Regulating Block Copolymer Assembly Structures in Emulsion Droplets through Metal Ion Coordination. Langmuir, 2018, 34, 11495-11502.  | 3.5  | 27        |
| 12 | Emulsion Solvent Evaporation-Induced Self-Assembly of Block Copolymers Containing pH-Sensitive Block. Langmuir, 2017, 33, 9889-9896.  | 3.5  | 49        |
| 13 | 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         |
| 14 | 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         |
| 15 | 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        |
| 16 | Particle-size dependent melt viscosity behavior and the properties of three-arm star polystyrene-Fe <sub>3</sub> O <sub>4</sub> composites. Soft Matter, 2015, 11, 3986-3993.   | 2.7  | 11        |
| 17 | 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        |
| 18 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Effect of polystyrene long branch chains on melt behavior and foaming performance of poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlo   | 3.6 | 13        |
| 20 | Relationship between branch length and the compatibilizing effect of polypropylene- <i>g</i> -polystyrene graft copolymer on polypropylene/polystyrene blends. Journal of Applied Polymer Science, 2014, 131, .                            | 2.6 | 6         |
| 21 | 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        |
| 22 | Melt viscosity behavior of C60 containing star polystyrene composites. Soft Matter, 2013, 9, 6282.   | 2.7 | 26        |
| 23 | 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         |
| 24 | Controlled Chain-Scission of Polybutadiene by the Schwartz Hydrozirconation. Chemistry - A European Journal, 2013, 19, 541-548.  | 3.3 | 20        |
| 25 | A comparative study of polyethylene and polyethylene/C <sub>60</sub> nanocomposites modified with organic peroxide. Journal of Applied Polymer Science, 2013, 129, 371-382.  | 2.6 | 4         |
| 26 | Synthesis and structure-property relationships of polypropylene- <i>g</i> -polystyrene and polypropylene- <i>g</i> -poly( <i>n</i> -butyl acrylate) graft copolymers with well-defined molecular structures. Polymer, 2013, 54, 3641-3653. | 3.8 | 21        |
| 27 | 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        |
| 28 | The rheological, thermostable, and mechanical properties of polypropylene/fullerene C <sub>60</sub> nanocomposites with improved interfacial interaction. Polymer Engineering and Science, 2012, 52, 1457-1463.                            | 3.1 | 12        |
| 29 | A new grafting monomer for synthesizing long chain branched polypropylene through melt radical reaction. Polymer, 2012, 53, 121-129.   | 3.8 | 54        |