

Baoqing Zhang

List of Publications by Year in descending order

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31
papers

1,554
citations

393982

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433756

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docs citations

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times ranked

2594
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Facile preparation and thermal degradation studies of graphite nanoplatelets (GNPs) filled thermoplastic polyurethane (TPU) nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009, 40, 1506-1513. | 3.8 | 216 |
| 2 | Robust Vacuum-Dried Graphene Aerogels and Fast Recoverable Shape-Memory Hybrid Foams. <i>Advanced Materials</i> , 2016, 28, 1510-1516. | 11.1 | 177 |
| 3 | Enhanced interactions between multi-walled carbon nanotubes and polystyrene induced by melt mixing. <i>Carbon</i> , 2006, 44, 692-698. | 5.4 | 122 |
| 4 | Rheological Images of Dynamic Covalent Polymer Networks and Mechanisms behind Mechanical and Self-Healing Properties. <i>Macromolecules</i> , 2012, 45, 1636-1645. | 2.2 | 120 |
| 5 | Stable dispersions of reduced graphene oxide in ionic liquids. <i>Journal of Materials Chemistry</i> , 2010, 20, 5401. | 6.7 | 115 |
| 6 | A self-healing PDMS elastomer based on acylhydrazone groups and the role of hydrogen bonds. <i>Polymer</i> , 2017, 120, 189-196. | 1.8 | 99 |
| 7 | Thermal imidization process of polyimide film: Interplay between solvent evaporation and imidization. <i>Polymer</i> , 2017, 109, 205-215. | 1.8 | 92 |
| 8 | Flame retardancy of rice husk-filled high-density polyethylene eco-composites. <i>Composites Science and Technology</i> , 2009, 69, 2675-2681. | 3.8 | 91 |
| 9 | Novel all-cellulose eco-composites prepared in ionic liquids. <i>Cellulose</i> , 2009, 16, 217-226. | 2.4 | 80 |
| 10 | Fibrillation of thermotropic liquid crystalline polymer enhanced by nano-clay in nylon-6 matrix. <i>Polymer</i> , 2005, 46, 5385-5395. | 1.8 | 45 |
| 11 | Graphene aerogels that withstand extreme compressive stress and strain. <i>Nanoscale</i> , 2018, 10, 18291-18299. | 2.8 | 43 |
| 12 | Nanoscale ionic materials based on hydroxyl-functionalized graphene. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1409-1417. | 5.2 | 37 |
| 13 | Crystallization and Rheology of Poly(ethylene oxide) in Imidazolium Ionic Liquids. <i>Macromolecules</i> , 2016, 49, 6106-6115. | 2.2 | 37 |
| 14 | Properties of high-temperature drilling fluids incorporating disodium itaconate/acrylamide/sodium 2-acrylamido-2-methylpropanesulfonate terpolymers as fluid-loss reducers. <i>Journal of Applied Polymer Science</i> , 2002, 83, 3068-3075. | 1.3 | 36 |
| 15 | Fabrication of organogels composed from carbon nanotubes through a supramolecular approach. <i>New Journal of Chemistry</i> , 2010, 34, 2847. | 1.4 | 35 |
| 16 | Determination of intrinsic viscosity-molecular weight relationship for cellulose in BmimAc/DMSO solutions. <i>Cellulose</i> , 2016, 23, 2341-2348. | 2.4 | 25 |
| 17 | Improved rheological and electrical properties of graphene/polystyrene nanocomposites modified with styrene maleic anhydride copolymer. <i>Composites Science and Technology</i> , 2014, 102, 176-182. | 3.8 | 24 |
| 18 | Hierarchical structure of thermotropic liquid crystalline polymer formed in blends jointly by dynamic and thermodynamic driving forces. <i>Polymer</i> , 2004, 45, 8051-8058. | 1.8 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Polymer-Grafted Nanoparticles with Precisely Controlled Structures. ACS Macro Letters, 2015, 4, 1067-1071. | 2.3 | 22 |
| 20 | Toward highly compressible graphene aerogels of enhanced mechanical performance with polymer. RSC Advances, 2016, 6, 43007-43015. | 1.7 | 18 |
| 21 | Effect of glass bead packing on the fibrillation of liquid-crystalline polymer in polycarbonate. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1020-1030. | 2.4 | 16 |
| 22 | Dynamics of Concentrated Polymer Solutions Revisited: Isomonomeric Friction Adjustment and Its Consequences. Macromolecules, 2014, 47, 4460-4470. | 2.2 | 14 |
| 23 | Nonlinear and linear viscoelastic behaviors of thermoplastic vulcanizates containing rubber nanoparticle agglomerates. Polymer, 2019, 181, 121793. | 1.8 | 12 |
| 24 | Investigation on the mechanical performances of ternary nylon 6/SEBS elastomer/nano-SiO ₂ hybrid composites with controlled morphology. Journal of Applied Polymer Science, 2010, 115, 469-479. | 1.3 | 11 |
| 25 | Enhanced wear performance of nylon 6/organoclay nanocomposite by blending with a thermotropic liquid crystalline polymer. Polymer Engineering and Science, 2010, 50, 900-910. | 1.5 | 10 |
| 26 | Confinement Effects on Chain and Glass Dynamics in Immiscible Polymer Blends. Macromolecules, 2009, 42, 7982-7985. | 2.2 | 9 |
| 27 | Rheological hybrid effect in nylon 6/liquid crystalline polymer blends caused by added glass beads. Journal of Non-Newtonian Fluid Mechanics, 2006, 135, 166-176. | 1.0 | 8 |
| 28 | Chain Conformation and Liquid-Crystalline Structures of a Poly(thieno)thiophene. Macromolecules, 2022, 55, 2892-2903. | 2.2 | 7 |
| 29 | A gradient structure formed in injection-molded polycarbonate in situ hybrid composites and its corresponding performances. Journal of Applied Polymer Science, 2004, 94, 625-634. | 1.3 | 5 |
| 30 | Effect of chemical structure of polycarbonates on entanglement spacing. Chinese Journal of Polymer Science (English Edition), 2012, 30, 343-349. | 2.0 | 5 |
| 31 | Dispersions of Î±-Zirconium Phosphate/organic Solvent with Structural Colors. Acta Chimica Sinica, 2020, 78, 1399. | 0.5 | 1 |