Jian Zhao

Associate Professor   Supervisor of Master's Candidates

EDUCATION

09/2017 Ph.D. in Computational Mechanics. Dalian University of Technology, China.
07/2006 M.Eng. in Materials Processing Engineering. Zhengzhou University, China.
07/2002 B.Eng. in Material Science and Engineering. Zhengzhou University, China.

Research Field

Theory and Application of Numerical Simulation of Polymer Forming Process.

Publications

1. Jian Zhao*, Gengdong Cheng, Shilun Ruan, Zheng Li, Multi-objective optimization design of injection molding process parameters based on the improved efficient global optimization algorithm and non-dominated sorting-based genetic algorithm, The International Journal of Advanced Manufacturing Technology, 2015, 78(9-12):1813-1826.

2. Jian Zhao*, Hengyang Li, Gengdong Cheng, Yuanwu Cai, On predicting the effective elastic properties of polymer nanocomposites by novel numerical implementation of asymptotic homogenization method, Composite Structures, 2016,135:297-305.

3. Jian Zhao*, Gengdong Cheng, An innovative surrogate-based searching method for reducing warpage and cycle time in injection molding, Advances in Polymer Technology, 2016,35(3):288-297.

4. Jian Zhao*, Hengyang Li, Yan Wang, Na Feng, Minjie Qu, Lihao Wu, Mathematical modeling for the mechanical properties of poly(vinylchloride) ternary composites, Polymer Engineering & Science, 2016,56(10):1109-1117.