

Wei Cao

List of Publications by Year in descending order

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papers

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933447

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#	ARTICLE	IF	CITATIONS
1	High performance piezoelectric polymer film with aligned electroactive phase nanofibrils achieved by melt stretching of slightly crosslinked poly(vinylidene fluoride) for sensor applications. <i>Chemical Engineering Journal</i> , 2022, 433, 134475.	12.7	11
2	Fracture and Orientation of Long Glass Fiber Reinforced Polypropylene During Injection Molding. <i>Polymer Engineering and Science</i> , 2020, 60, 13-21.	3.1	18
3	Modeling of Shear Rheological Behavior of Uncured Rubber Melt. <i>Applied Rheology</i> , 2020, 30, 130-137.	5.2	0
4	Viscoelastic modeling and simulation for polymer melt flow in injection/compression molding. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2019, 274, 104186.	2.4	14
5	3D Viscoelastic Simulation of Jetting in Injection Molding. <i>Polymer Engineering and Science</i> , 2019, 59, E397.	3.1	4
6	Polystyrene Foam with High Cell Density and Small Cell Size by Compression Injection Molding and Core Back Foaming Technique: Evolution of Cells in Cavity. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800110.	3.6	24
7	Crystallization behavior of partially melted poly(ether ether ketone). <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 1021-1028.	3.6	15
8	Simulation of Jetting in Injection Molding Using a Finite Volume Method. <i>Polymers</i> , 2016, 8, 172.	4.5	10
9	Numerical simulation for flow-induced stress in injection/compression molding. <i>Polymer Engineering and Science</i> , 2016, 56, 287-298.	3.1	10
10	Evaluation of typical rheological models fitting for polycarbonate squeeze flow. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	1
11	Effect of Rapid Compression on the Crystallization Behaviour of Polyethylene. <i>Polymers and Polymer Composites</i> , 2013, 21, 543-552.	1.9	0
12	HDPE solution crystallization induced by electrospun PA66 nanofiber. <i>Colloid and Polymer Science</i> , 2011, 289, 843-848.	2.1	13
13	Computing flow-induced stresses of injection molding based on the Phan-Thien Tanner model. <i>Archive of Applied Mechanics</i> , 2008, 78, 363-377.	2.2	17
14	Investigation of the Effect of Molding Variables on Sink Marks of Plastic Injection Molded Parts Using Taguchi DOE Technique. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 219-225.	1.9	34
15	Optimization for Injection Molding Process Conditions of the Refrigeratory Top Cover Using Combination Method of Artificial Neural Network and Genetic Algorithms. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 105-112.	1.9	14
16	Coupled Part and Mold Temperature Simulation for Injection Molding Based on Solid Geometry. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 741-749.	1.9	15
17	A Dual Domain Method for 3-D Flow Simulation. <i>Polymer-Plastics Technology and Engineering</i> , 2005, 43, 1471-1486.	1.9	9
18	3D Flow Simulation for Viscous Nonisothermal Incompressible Fluid in Injection Molding. <i>Polymer-Plastics Technology and Engineering</i> , 2005, 44, 901-917.	1.9	4