Wei Cao

List of Publications by Year
in descending order

18	213	933447	996975
papers	citations	10	15
		h-index	g-index

18	18	18	211
all docs	docs citations	times ranked	citing authors

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