

Mahesh Gupta

List of Publications by Year in descending order

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16
papers

393
citations

932766

10
h-index

996533

15
g-index

16
all docs

16
docs citations

16
times ranked

264
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber orientation and mechanical properties of short-fiber-reinforced injection-molded composites: Simulated and experimental results. <i>Polymer Composites</i> , 1993, 14, 367-382.	2.3	200
2	Three-dimensional simulation of microchip encapsulation process. <i>Polymer Engineering and Science</i> , 2000, 40, 776-785.	1.5	33
3	Further Investigation of the Effect of Elongational Viscosity on Entrance Flow. <i>Journal of Reinforced Plastics and Composites</i> , 2001, 20, 1473-1484.	1.6	25
4	3-D flow analysis of non-newtonian viscous fluids using ϵ -enriched finite elements. <i>Polymer Engineering and Science</i> , 1990, 30, 1420-1430.	1.5	21
5	Estimation of elongational viscosity of polymers from entrance loss data using individual parameter optimization. <i>Advances in Polymer Technology</i> , 2002, 21, 98-107.	0.8	20
6	An experimental study on shear stress characteristics of polymers in plasticating single-screw extruders. <i>Polymer Engineering and Science</i> , 2009, 49, 471-477.	1.5	17
7	VISCOELASTIC MODELLING OF ENTRANCE FLOW USING MULTIMODE LEONOV MODEL. <i>International Journal for Numerical Methods in Fluids</i> , 1997, 24, 493-517.	0.9	16
8	Multivariant finite elements for three-dimensional simulation of viscous incompressible flows. <i>International Journal for Numerical Methods in Fluids</i> , 1992, 14, 557-585.	0.9	14
9	Numerical and experimental investigation of three-dimensional flow in extrusion dies. <i>Polymer Engineering and Science</i> , 1993, 33, 393-399.	1.5	13
10	Effect of elongational viscosity on axisymmetric entrance flow of polymers. <i>Polymer Engineering and Science</i> , 2000, 40, 23-35.	1.5	13
11	Entrance effects for power-law fluid. <i>Polymer Engineering and Science</i> , 1994, 34, 209-212.	1.5	6
12	Numerical and Experimental Investigation of Microchip Encapsulation. <i>Journal of Reinforced Plastics and Composites</i> , 1998, 17, 70-93.	1.6	6
13	Simulation of Planar Entrance Flow Using Strain-Rate-Dependent Shear and Elongational Viscosities. <i>Journal of Reinforced Plastics and Composites</i> , 2001, 20, 341-355.	1.6	4
14	Simultaneous Simulation of Solid Conveying, Melting and Melt Flow between Parallel Plates: An Approximation to the Flow in a Screw Extruder. <i>Journal of Reinforced Plastics and Composites</i> , 2002, 21, 1055-1078.	1.6	3
15	VISCOELASTIC MODELLING OF ENTRANCE FLOW USING MULTIMODE LEONOV MODEL. <i>International Journal for Numerical Methods in Fluids</i> , 1997, 24, 493-517.	0.9	2
16	Accuracy and efficiency of multivariant finite elements for three-dimensional simulation of viscous incompressible flows. <i>Communications in Numerical Methods in Engineering</i> , 1994, 10, 135-148.	1.3	0