

Harshawardhan Pol

List of Publications by Year in descending order

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papers

131
citations

1478505

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docs citations

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88
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow visualization by Matlab® based image analysis of high-speed polymer melt extrusion film casting process for determining necking defect and quantifying surface velocity profiles. <i>Advanced Industrial and Engineering Polymer Research</i> , 2022, 5, 1-11.	4.7	0
2	The effect of processing conditions on the rheological properties of blends of ultra high molecular weight polyethylene with high-density polyethylene. <i>Polymer Engineering and Science</i> , 2019, 59, 821-829.	3.1	12
3	Non-isothermal analysis of extrusion film casting using multi-mode Phan-Thien Tanner constitutive equation and comparison with experiments. <i>Rheologica Acta</i> , 2018, 57, 493-503.	2.4	6
4	Effect of viscoelastic relaxation modes on stability of extrusion film casting process modeled using multi-mode Phan-Thien-Tanner constitutive equation. <i>Applied Mathematical Modelling</i> , 2017, 47, 487-500.	4.2	16
5	Influence of macromolecular architecture on necking in polymer extrusion film casting process. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
6	Extrusion film casting of long chain branched polypropylene. <i>Polymer Engineering and Science</i> , 2015, 55, 1977-1987.	3.1	27
7	Long chain branched impact copolymer of polypropylene: Microstructure and rheology. <i>Polymer Engineering and Science</i> , 2015, 55, 1463-1474.	3.1	10
8	Nonisothermal analysis of extrusion film casting process using molecular constitutive equations. <i>Rheologica Acta</i> , 2014, 53, 85-101.	2.4	30
9	Extrudate swell of linear and branched polyethylenes: ALE simulations and comparison with experiments. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 12-24.	2.4	26
10	Controlling draw resonance during extrusion film casting of nanoclay filled linear low-density polyethylene: An experimental study and numerical linear stability analysis. <i>Journal of Plastic Film and Sheeting</i> , 0, , 875608792097844.	2.2	4