

Jaap Den Doelder

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

247
citations

1684188

5
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

253
citing authors

#	ARTICLE	IF	CITATIONS
1	Linking Models of Polymerization and Dynamics to Predict Branched Polymer Structure and Flow. <i>Science</i> , 2011, 333, 1871-1874.	12.6	162
2	Numerical prediction of nonlinear rheology of branched polymer melts. <i>Journal of Rheology</i> , 2014, 58, 737-757.	2.6	36
3	Design of Nonideal Eutectic Mixtures Based on Correlations with Molecular Properties. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5209-5219.	2.6	16
4	Viscosity and compliance from molar mass distributions using double reptation models. <i>Rheologica Acta</i> , 2006, 46, 195-210.	2.4	13
5	Integrated Kinetic Monte Carlo "Structure" Rheology Model for Solution Copolymerization of Ethylene and α -Olefins. <i>Macromolecules</i> , 2019, 52, 292-310.	4.8	5
6	Exploration of branching topology effects on polymer melt rheology using hierarchical calculation schemes. <i>Rheologica Acta</i> , 2011, 50, 469-484.	2.4	4
7	Processability predictions for mechanically recycled blends of linear polymers. <i>Journal of Polymer Engineering</i> , 2020, 40, 771-781.	1.4	4
8	Computational study of the structural properties of recycled low-density polyethylene. <i>Polymer</i> , 2022, 241, 124525.	3.8	3
9	Strategy for reducing molecular ensemble size for efficient rheological modeling of commercial polymers. <i>Journal of Rheology</i> , 2021, 65, 43-57.	2.6	2
10	Novel Approach to Develop Rheological Structure-Property Relationships Using Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2006, , 322-331.	1.3	2