

Hugo M Vale

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8076392/publications.pdf>

Version: 2024-02-01

16
papers

277
citations

1040056

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h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

237
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling particle size distribution in emulsion polymerization reactors. Progress in Polymer Science, 2005, 30, 1019-1048.	24.7	77
2	Solution of the Population Balance Equation for Two-Component Aggregation by an Extended Fixed Pivot Technique. Industrial & Engineering Chemistry Research, 2005, 44, 7885-7891.	3.7	46
3	Adsorption of sodium dodecyl sulfate and sodium dodecyl benzenesulfonate on poly(vinyl chloride) latexes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 268, 68-72.	4.7	30
4	Is Modeling the PSD in Emulsion Polymerization a Finished Problem? An Overview. Macromolecular Reaction Engineering, 2017, 11, 1600059.	1.5	27
5	Particle Formation in Vinyl Chloride Emulsion Polymerization: Reaction Modeling. Industrial & Engineering Chemistry Research, 2009, 48, 5193-5210.	3.7	20
6	Solution of Population Balance Equations for Emulsion Polymerization: A Zero-Order and Zero-Order-Two Systems. Industrial & Engineering Chemistry Research, 2007, 46, 643-654.	3.7	13
7	Dependence of Propagation Rate Coefficients in Radical Polymerization on Solution Properties. Macromolecular Reaction Engineering, 2017, 11, 1600037.	1.5	13
8	Toward a digital polymer reaction engineering. Advances in Chemical Engineering, 2020, , 187-227.	0.9	13
9	Dependence of Propagation Rate Coefficients in Radical Polymerization on Solution Properties: A Quantitative Thermodynamic Interpretation. Macromolecular Reaction Engineering, 2018, 12, 1800010.	1.5	12
10	Particle Formation in Vinyl Chloride Emulsion Polymerization. Experimental Study. Industrial & Engineering Chemistry Research, 2008, 47, 8107-8118.	3.7	8
11	A General Approach for Modeling Acrylate and Methacrylate Solution Copolymerizations. Industrial & Engineering Chemistry Research, 2021, 60, 10615-10637.	3.7	5
12	Synthesis of Bimodal PVC Latexes by Emulsion Polymerization: An Experimental and Modeling Study. Macromolecular Symposia, 2006, 243, 261-267.	0.7	3
13	PLP-SEC Investigation of the Influence of Electrostatic Interactions on the Radical Propagation Rate Coefficients of Cationic Monomers TMAEMC and MAPTAC. Macromolecules, 2021, 54, 3204-3222.	4.8	3
14	Models in the Polymer Industry: What Present? What Future?. Macromolecular Symposia, 2013, 333, 286-296.	0.7	2
15	Dependence of Copolymer Composition in Radical Polymerization on Solution Properties: a Quantitative Thermodynamic Interpretation. Industrial & Engineering Chemistry Research, 2021, 60, 10566-10583.	3.7	2
16	Application of a grey-box modelling approach for the online monitoring of batch production in the chemical industry. Automatisierungstechnik, 2020, 68, 582-598.	0.8	2