

Mãjrio R P F N Costa

List of Publications by Year in descending order

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38
papers

726
citations

471061

17
h-index

580395

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42
all docs

42
docs citations

42
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of waterborne polyurethane-urea dispersions with chain extension step in homogeneous and heterogeneous media. <i>Journal of Colloid and Interface Science</i> , 2016, 476, 184-192.	5.0	50
2	An improved general kinetic analysis of non-linear irreversible polymerisations. <i>Chemical Engineering Science</i> , 2005, 60, 423-446.	1.9	39
3	A general kinetic analysis of non-linear irreversible copolymerizations. <i>Chemical Engineering Science</i> , 1994, 49, 491-516.	1.9	38
4	Hydrodynamics of the mixing head in RIM: LDA flow-field characterization. <i>AIChE Journal</i> , 2005, 51, 1608-1619.	1.8	38
5	A New Look at Kinetic Modeling of Nonlinear Free Radical Polymerizations with Terminal Branching and Chain Transfer to Polymer. <i>Macromolecules</i> , 2003, 36, 8853-8863.	2.2	36
6	Kinetic Modeling of the Molecular Architecture of Cross-Linked Copolymers Synthesized by Controlled Radical Polymerization Techniques. <i>Macromolecular Symposia</i> , 2010, 291-292, 239-250.	0.4	34
7	Operational and Design Study of RIM Machines. <i>International Polymer Processing</i> , 2002, 17, 387-394.	0.3	28
8	Transient Behavior and Gelation of Free Radical Polymerizations in Continuous Stirred Tank Reactors. <i>Macromolecular Theory and Simulations</i> , 2005, 14, 243-255.	0.6	27
9	Prediction of Sol Fraction and Average Molecular Weights after Gelation for Non-Linear Free Radical Polymerizations Using a Kinetic Approach. <i>Macromolecular Theory and Simulations</i> , 2003, 12, 560-572.	0.6	26
10	Development of Molecularly Imprinted Polymers to Target Polyphenols Present in Plant Extracts. <i>Processes</i> , 2017, 5, 72.	1.3	26
11	Semibatch operation and primary cyclization effects in homogeneous free-radical crosslinking copolymerizations. <i>Polymer</i> , 2005, 46, 6163-6173.	1.8	22
12	Branching and Crosslinking in Coordination Terpolymerizations. <i>Macromolecular Reaction Engineering</i> , 2007, 1, 440-467.	0.9	21
13	Prediction of mean square radius of gyration of tree-like polymers by a general kinetic approach. <i>Polymer</i> , 2007, 48, 1785-1801.	1.8	21
14	Stimuli-responsive Hydrogels Synthesis using Free Radical and RAFT Polymerization. <i>Macromolecular Symposia</i> , 2013, 333, 41-54.	0.4	21
15	Development of Cyclic Propagation Kinetics for Modeling the Nitroxide-mediated Radical Copolymerization of Styrene and divinylbenzene. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 282-294.	0.9	21
16	A general kinetic method to predict sequence length distributions for non-linear irreversible multicomponent polymerizations. <i>Polymer</i> , 2006, 47, 6895-6913.	1.8	20
17	Gel Formation in Aqueous Suspension Nitroxide-mediated Radical Copolymerization of Styrene/Divinylbenzene. <i>Macromolecular Reaction Engineering</i> , 2013, 7, 155-175.	0.9	19
18	Prediction and Experimental Characterization of the Molecular Architecture of FRP and ATRP Synthesized Polyacrylate Networks. <i>Macromolecular Symposia</i> , 2010, 289, 1-17.	0.4	18

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19	Mathematical Modeling of $\langle \text{NMRP} \rangle$ of Styrene- $\langle \text{D} \rangle$ ivinylbenzene over the Pre- and Post- $\langle \text{G} \rangle$ elation Periods Including Cyclization. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 295-313.	0.9	18
20	A very simple empirical kinetic model of the acid-catalyzed cure of urea-formaldehyde resins. <i>Journal of Applied Polymer Science</i> , 2006, 102, 5977-5987.	1.3	17
21	Calculation of CLD Using Population Balance Equations of Generating Functions: Linear and Non-Linear Ideal Controlled Radical Polymerization. <i>Macromolecular Theory and Simulations</i> , 2010, 19, 323-341.	0.6	17
22	Bulk Crosslinking Copolymerization: Comparison of Different Modeling Approaches. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 678-695.	0.9	17
23	Kinetic Modeling of Hyperbranched Polymer Synthesis through Atom-Transfer and Nitroxide-Mediated Radical Polymerization of Vinyl/Divinyl Monomers. <i>Chemical Engineering and Technology</i> , 2010, 33, 1797-1813.	0.9	16
24	Time Programmed Feed of Semi-Batch Reactors with Non-Linear Radical Copolymerizations: An Experimental Study of the System Styrene+Divinylbenzene Using SEC/MALLS. <i>Macromolecular Symposia</i> , 2007, 259, 124-134.	0.4	15
25	Kinetic Modeling of Non-Linear Polymerization. <i>Macromolecular Symposia</i> , 2006, 243, 72-82.	0.4	13
26	Electrochemical activity of sulfur networks synthesized through RAFT polymerization. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	13
27	FTIR-ATR Monitoring and SEC/RI/MALLS Characterization of ATRP Synthesized Hyperbranched Polyacrylates. <i>Macromolecular Symposia</i> , 2010, 296, 210-228.	0.4	12
28	Kinetic Modeling of the Suspension Copolymerization of Styrene/Divinylbenzene with Gel Formation. <i>Macromolecular Symposia</i> , 2011, 302, 179-190.	0.4	12
29	Preparation of Molecularly Imprinted Adsorbents with Improved Retention Capability of Polyphenols and Their Application in Continuous Separation Processes. <i>Chromatographia</i> , 2019, 82, 893-916.	0.7	12
30	Modeling Studies on the Synthesis of Superabsorbent Hydrogels Using Population Balance Equations. <i>Macromolecular Symposia</i> , 2011, 306-307, 107-125.	0.4	11
31	Dynamics of Network Formation in Aqueous Suspension $\langle \text{RAFT} \rangle$ Styrene- $\langle \text{D} \rangle$ ivinylbenzene Copolymerization. <i>Macromolecular Symposia</i> , 2013, 333, 273-285.	0.4	11
32	Molecular Architecture of Non-Linear Polymers: Kinetic Modeling and Experimental Characterization of the System Methyl Methacrylate+Ethylene Glycol Dimethacrylate. <i>Macromolecular Symposia</i> , 2008, 271, 107-119.	0.4	9
33	Static Light Scattering Monitoring and Kinetic Modeling of Polyacrylamide Hydrogel Synthesis. <i>Processes</i> , 2019, 7, 237.	1.3	8
34	Water-based poly(urethane-urea) dispersions " meeting the European Union legislation. <i>Polimery</i> , 2015, 60, 536-540.	0.4	7
35	Processing of Onion Skin Extracts with Quercetin-Molecularly Imprinted Adsorbents Working at a Wide Range of Water Content. <i>Chromatographia</i> , 2020, 83, 1539-1551.	0.7	6
36	Polymer Reaction Engineering Tools to Tailor Smart and Superabsorbent Hydrogels. <i>Polymers and Polymeric Composites</i> , 2019, , 513-574.	0.6	3

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37	Polymer Reaction Engineering Tools to Tailor Smart and Superabsorbent Hydrogels. Polymers and Polymeric Composites, 2018, , 1-63.	0.6	1
38	Polymer Reaction Engineering Tools to Tailor Smart and Superabsorbent Hydrogels. Polymers and Polymeric Composites, 2018, , 1-63.	0.6	0