

JosÃ© Carlos Pinto

List of Publications by Year in descending order

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392
papers

7,237
citations

71097

41
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133244

59
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400
all docs

400
docs citations

400
times ranked

5288
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear parameter estimation through particle swarm optimization. <i>Chemical Engineering Science</i> , 2008, 63, 1542-1552.	3.8	320
2	Optimum reference temperature for reparameterization of the Arrhenius equation. Part 1: Problems involving one kinetic constant. <i>Chemical Engineering Science</i> , 2007, 62, 2750-2764.	3.8	217
3	Use of Polyhydroxybutyrate and Ethyl Cellulose for Coating of Urea Granules. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 9984-9991.	5.2	126
4	The use of particle swarm optimization for dynamical analysis in chemical processes. <i>Computers and Chemical Engineering</i> , 2002, 26, 1783-1793.	3.8	105
5	When Polymer Reaction Engineers Play Dice: Applications of Monte Carlo Models in PRE. <i>Macromolecular Reaction Engineering</i> , 2015, 9, 141-185.	1.5	105
6	Nonlinear dynamic data reconciliation and parameter estimation through particle swarm optimization: Application for an industrial polypropylene reactor. <i>Chemical Engineering Science</i> , 2009, 64, 3953-3967.	3.8	85
7	Optimum reference temperature for reparameterization of the Arrhenius equation. Part 2: Problems involving multiple reparameterizations. <i>Chemical Engineering Science</i> , 2008, 63, 2895-2906.	3.8	84
8	Monitoring and Control of Polymerization Reactors Using NIR Spectroscopy. <i>Polymer-Plastics Technology and Engineering</i> , 2005, 44, 1-61.	1.9	83
9	Simultaneous robust data reconciliation and gross error detection through particle swarm optimization for an industrial polypropylene reactor. <i>Chemical Engineering Science</i> , 2010, 65, 4943-4954.	3.8	79
10	Design of a core-shell support to improve lipase features by immobilization. <i>RSC Advances</i> , 2016, 6, 62814-62824.	3.6	76
11	Modeling and optimization of the combined carbon dioxide reforming and partial oxidation of natural gas. <i>Applied Catalysis A: General</i> , 2001, 215, 211-224.	4.3	75
12	Preparation of core-shell polymer supports to immobilize lipase B from <i>Candida antarctica</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 100, 59-67.	1.8	75
13	Statistical Analysis of Linear and Non-Linear Regression for the Estimation of Adsorption Isotherm Parameters. <i>Adsorption Science and Technology</i> , 2013, 31, 433-458.	3.2	72
14	A survey of advanced control of polymerization reactors. <i>Polymer Engineering and Science</i> , 1996, 36, 433-447.	3.1	71
15	A Magnetic Composite for Cleaning of Oil Spills on Water. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 942-948.	3.6	62
16	In-line evaluation of average particle size in styrene suspension polymerizations using near-infrared spectroscopy. <i>Journal of Applied Polymer Science</i> , 1998, 70, 1737-1745.	2.6	61
17	A suitable model to describe bioremediation of a petroleum-contaminated soil. <i>International Biodeterioration and Biodegradation</i> , 2006, 58, 254-260.	3.9	60
18	Modeling and performance monitoring of multivariate multimodal processes. <i>AIChE Journal</i> , 2013, 59, 1557-1569.	3.6	59

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19	Steady-state modeling of slurry and bulk propylene polymerizations. <i>Chemical Engineering Science</i> , 2001, 56, 4043-4057.	3.8	57
20	Modeling of end-use properties of poly(propylene/ethylene) resins. <i>Polymer Testing</i> , 2001, 20, 419-439.	4.8	56
21	Ethanol to 1,3-Butadiene Conversion by using ZrZn-Containing MgO/SiO ₂ Systems Prepared by Co-precipitation and Effect of Catalyst Acidity Modification. <i>ChemCatChem</i> , 2016, 8, 2376-2386.	3.7	54
22	A new approach for sequential experimental design for model discrimination. <i>Chemical Engineering Science</i> , 2006, 61, 5791-5806.	3.8	52
23	Uma revisão sobre os processos de polimerização em suspensão. <i>Polimeros</i> , 2007, 17, 166-179.	0.7	52
24	Dynamic optimization of semicontinuous emulsion copolymerization reactions: composition and molecular weight distribution. <i>Computers and Chemical Engineering</i> , 2001, 25, 839-849.	3.8	50
25	Natural Brazilian Amazonic (Curau) Fibers Modified with Polyaniline Nanoparticles. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 484-491.	3.6	50
26	Kinetics of Propylene Polymerization Using Bis(2-phenylindenyl)zirconium Dichloride/Methylaluminoxane. <i>Journal of the American Chemical Society</i> , 2000, 122, 11275-11285.	13.7	48
27	In-line and in situ monitoring of semi-batch emulsion copolymerizations using near-infrared spectroscopy. <i>Journal of Applied Polymer Science</i> , 2002, 84, 2670-2682.	2.6	48
28	Monitoring and control of styrene solution polymerization using NIR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2003, 90, 1273-1289.	2.6	48
29	Modeling Ethylene/1-Butene Copolymerizations in Industrial Slurry Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 2697-2715.	3.7	48
30	Microwave activation of enzymatic catalysts for biodiesel production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 67, 117-121.	1.8	48
31	Control and design of average particle size in styrene suspension polymerizations using NIRS. <i>Journal of Applied Polymer Science</i> , 2000, 77, 453-462.	2.6	47
32	Semibatch styrene suspension polymerization processes. <i>Journal of Applied Polymer Science</i> , 2003, 89, 3021-3038.	2.6	46
33	New in situ Blends of Polyaniline and Cardanol Bio-Resins. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 675-683.	3.6	46
34	Magnetic field sensor based on a maghemite/polyaniline hybrid material. <i>Journal of Materials Science</i> , 2010, 45, 5012-5021.	3.7	46
35	Synthesis of Biodegradable Hydrogel Nanoparticles for Bioapplications Using Inverse Miniemulsion RAFT Polymerization. <i>Macromolecules</i> , 2011, 44, 7167-7175.	4.8	46
36	In-line monitoring of weight average molecular weight in solution polymerizations using intrinsic viscosity measurements. <i>Polymer</i> , 2001, 42, 3909-3914.	3.8	45

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37	Modeling Particle Size Distribution (PSD) in Emulsion Copolymerization Reactions in a Continuous Loop Reactor. <i>Macromolecular Theory and Simulations</i> , 2001, 10, 769-779.	1.4	44
38	Computation of molecular weight distributions by polynomial approximation with complete adaptation procedures. <i>Macromolecular Theory and Simulations</i> , 1999, 8, 199-213.	1.4	43
39	Two-State Models for Olefin Polymerization using Metallocene Catalysts. 1. Application to Fluxional Metallocene Catalyst Systems. <i>Macromolecules</i> , 2000, 33, 7249-7260.	4.8	42
40	Two-State Models for Propylene Polymerization Using Metallocene Catalysts. 2. Application to ansa-Metallocene Catalyst Systems. <i>Macromolecules</i> , 2001, 34, 3830-3841.	4.8	42
41	Synthesis of Poly(Vinyl Alcohol) and/or Poly(Vinyl Acetate) Particles with Spherical Morphology and Core-Shell Structure and its Use in Vascular Embolization. <i>Macromolecular Symposia</i> , 2006, 243, 190-199.	0.7	42
42	Performance Evaluation of Real Industrial RTO Systems. <i>Processes</i> , 2016, 4, 44.	2.8	42
43	High-Pressure Phase Equilibria for Polypropylene-Hydrocarbon Systems. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 4627-4633.	3.7	41
44	Capture and Reuse of Carbon Dioxide (CO ₂) for a Plastics Circular Economy: A Review. <i>Processes</i> , 2021, 9, 759.	2.8	41
45	Influence of PLGA and PLGA-PEG on the dissolution profile of oxaliplatin. <i>Polimeros</i> , 2016, 26, 137-143.	0.7	40
46	Online monitoring of the evolution of the number of particles in emulsion polymerization by conductivity measurements. I. Model formulation. <i>Journal of Applied Polymer Science</i> , 2003, 90, 1213-1226.	2.6	39
47	Preparation of high loading silica supported nickel catalyst: simultaneous analysis of the precipitation and aging steps. <i>Applied Catalysis A: General</i> , 1999, 178, 177-189.	4.3	38
48	Influence of the Morphology of Core-Shell Supports on the Immobilization of Lipase B from <i>Candida antarctica</i> . <i>Molecules</i> , 2014, 19, 12509-12530.	3.8	38
49	Stochastic Modeling of Polymer Microstructure From Residence Time Distribution. <i>Macromolecular Reaction Engineering</i> , 2015, 9, 259-270.	1.5	38
50	A Sensor for Acid Concentration Based on Cellulose Paper Sheets Modified with Polyaniline Nanoparticles. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 739-748.	3.6	37
51	The kinetics of gibbsite dissolution in NaOH. <i>Hydrometallurgy</i> , 2009, 96, 6-13.	4.3	37
52	Enzymatic synthesis of biolubricants from by-product of soybean oil processing catalyzed by different biocatalysts of <i>Candida rugosa</i> lipase. <i>Catalysis Today</i> , 2021, 362, 122-129.	4.4	36
53	Molecular weight distribution in composition controlled emulsion copolymerization. <i>Journal of Polymer Science Part A</i> , 2000, 38, 1100-1109.	2.3	35
54	Evaluation of electrical properties of SBS/Pani blends plasticized with DOP and CNSL using an empirical statistical model. <i>Polymer Testing</i> , 2007, 26, 720-728.	4.8	35

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55	Sequential experimental design for model discrimination. <i>Chemical Engineering Science</i> , 2008, 63, 2408-2419.	3.8	35
56	Electrical surface resistivity of conductive polymers – A non-Gaussian approach for determination of confidence intervals. <i>European Polymer Journal</i> , 2008, 44, 3908-3914.	5.4	34
57	Methodology for determination of magnetic force of polymeric nanocomposites. <i>Polymer Testing</i> , 2013, 32, 1466-1471.	4.8	34
58	Synthesis of poly(butylene succinate) using metal catalysts. <i>Polymer Engineering and Science</i> , 2015, 55, 1889-1896.	3.1	34
59	Molecular Dynamic Simulation of Oxaliplatin Diffusion in Poly(lactic acid-co-glycolic acid). Part A: Parameterization and Validation of the Force-Field CVFF. <i>Macromolecular Theory and Simulations</i> , 2016, 25, 45-62.	1.4	34
60	Microkinetic analysis of ethanol to 1,3-butadiene reactions over MgO-SiO ₂ catalysts based on characterization of experimental fluctuations. <i>Chemical Engineering Journal</i> , 2017, 308, 988-1000.	12.7	34
61	Sequential experimental design for parameter estimation: a different approach. <i>Chemical Engineering Science</i> , 1990, 45, 883-892.	3.8	33
62	Constrained optimal batch polymerization reactor control. <i>Polymer Engineering and Science</i> , 1990, 30, 1209-1219.	3.1	33
63	Modeling and simulation of the phase-inversion process during membrane preparation. <i>Journal of Applied Polymer Science</i> , 2001, 82, 3036-3051.	2.6	33
64	Accelerated Deactivation of Hydrotreating Catalysts by Coke Deposition. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5975-5981.	3.7	33
65	Characterization of the residence time distribution in loop reactors. <i>Chemical Engineering Science</i> , 2001, 56, 2703-2713.	3.8	32
66	Detection of monomer droplets in a polymer latex by near-infrared spectroscopy. <i>Polymer</i> , 2001, 42, 8901-8906.	3.8	32
67	Modelling the effects of reaction temperature and flow rate on the conversion of ethanol to 1,3-butadiene. <i>Applied Catalysis A: General</i> , 2017, 530, 37-47.	4.3	32
68	Investigation of Catalyst Fragmentation in Gas-Phase Olefin Polymerisation: A Novel Short Stop Reactor. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1846-1853.	3.9	31
69	Modeling molecular weight distribution in emulsion polymerization reactions with transfer to polymer. <i>Journal of Polymer Science Part A</i> , 2001, 39, 3513-3528.	2.3	30
70	Preparation of a semi-conductive thermoplastic elastomer vulcanizate based on EVA and NBR blends with polyaniline. <i>Polymer Testing</i> , 2007, 26, 692-697.	4.8	30
71	Common vulnerabilities of RTO implementations in real chemical processes. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 652-668.	1.7	30
72	Compartmentalization Effects on Miniemulsion Polymerization with Oil-Soluble Initiator. <i>Macromolecular Reaction Engineering</i> , 2013, 7, 221-231.	1.5	30

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73	Numerical Aspects of Data Reconciliation in Industrial Applications. <i>Processes</i> , 2017, 5, 56.	2.8	30
74	Pilot-scale development of core-shell polymer supports for the immobilization of recombinant lipase B from <i>Candida antarctica</i> and their application in the production of ethyl esters from residual fatty acids. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46727.	2.6	30
75	Synthesis and characterization of flexible polyoxadiazole films through cyclodehydration of polyhydrazides. <i>Polymer</i> , 2003, 44, 3633-3639.	3.8	29
76	Simulation of Catalytic Cracking in a Fixed-Fluidized-Bed Unit. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 6027-6034.	3.7	29
77	Production of PMMA Nanoparticles Loaded with Praziquantel Through <i>in Situ</i> Miniemulsion Polymerization. <i>Macromolecular Reaction Engineering</i> , 2013, 7, 54-63.	1.5	29
78	Core-Shell Polymer Particles by Semibatch Combined Suspension-Emulsion Polymerizations for Enzyme Immobilization. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 135-143.	3.6	29
79	Chemical recycling of crosslinked poly(methyl methacrylate) and characterization of polymers produced with the recycled monomer. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 132, 47-55.	5.5	29
80	Closed-Loop Composition and Molecular Weight Control of a Copolymer Latex Using Near-Infrared Spectroscopy. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 2915-2930.	3.7	28
81	Method for quantitative evaluation of kinetic constants in olefin polymerizations. II. Kinetic study of a high-activity Ziegler-Natta catalyst used for bulk propylene polymerizations. <i>Journal of Applied Polymer Science</i> , 2002, 86, 3226-3245.	2.6	27
82	Experimental design for the joint model discrimination and precise parameter estimation through information measures. <i>Chemical Engineering Science</i> , 2011, 66, 1940-1952.	3.8	27
83	Synthesis and chemical modification of poly(butylene succinate) with rutin useful to the release of silybin. <i>Industrial Crops and Products</i> , 2017, 97, 599-611.	5.2	27
84	Molecular-Weight Multimodality of Multiple Flory Distributions. <i>Macromolecular Theory and Simulations</i> , 2002, 11, 293.	1.4	26
85	<i>Living</i> -Free Radical Polymerization in Tubular Reactors. I. Modeling of the Complete Molecular Weight Distribution Using Probability Generating Functions. <i>Macromolecular Reaction Engineering</i> , 2007, 1, 622-634.	1.5	26
86	Effect of pressure on the structure and electrical conductivity of cardanol-furfural-polyaniline blends. <i>Journal of Applied Polymer Science</i> , 2011, 119, 2666-2673.	2.6	26
87	Synthesis, Characterization and Drug Delivery Profile of Magnetic PLGA-PEG-PLGA/Maghemite Nanocomposite. <i>Macromolecular Symposia</i> , 2014, 343, 18-25.	0.7	26
88	Evaluation of the performance of differently immobilized recombinant lipase B from <i>Candida antarctica</i> preparations for the synthesis of pharmacological derivatives in organic media. <i>RSC Advances</i> , 2016, 6, 4043-4052.	3.6	26
89	PLA-b-PEG/magnetite hyperthermic agent prepared by Ugi four component condensation. <i>EXPRESS Polymer Letters</i> , 2016, 10, 188-203.	2.1	26
90	How the biodiesel from immobilized enzymes production is going on: An advanced bibliometric evaluation of global research. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 153, 111765.	16.4	26

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91	Emulsion Polymerization in a Loop Reactor: Effect of the Operation Conditions. <i>Polymer-Plastics Technology and Engineering</i> , 1999, 7, 303-326.	0.7	25
92	Effects of reaction variables on the reproducibility of the syntheses of poly-1,3,4-oxadiazole. <i>Polymer</i> , 2004, 45, 4997-5004.	3.8	25
93	Acrylic Acid/Vinyl Acetate Suspension Copolymerizations. 2. Modeling and Experimental Results. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 7324-7342.	3.7	25
94	Producing Bimodal Molecular Weight Distribution Polymer Resins Using Living and Conventional Free-Radical Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 2568-2578.	3.7	25
95	Continuous Soluble Ziegler-Natta Ethylene Polymerizations in Reactor Trains, 2 - Estimation of Kinetic Parameters from Industrial Data. <i>Macromolecular Reaction Engineering</i> , 2008, 2, 142-160.	1.5	25
96	Digital Twin for Monitoring of Industrial Multi-Effect Evaporation. <i>Processes</i> , 2019, 7, 537.	2.8	25
97	Mathematical modeling of polystyrene particle size distribution produced by suspension polymerization. <i>Brazilian Journal of Chemical Engineering</i> , 2000, 17, 395-407.	1.3	25
98	Control strategies for complex chemical processes. Applications in polymerization processes. <i>Computers and Chemical Engineering</i> , 2003, 27, 1307-1327.	3.8	24
99	Modeling of Particle Fragmentation in Heterogeneous Olefin Polymerization Reactions, 2. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 511-524.	3.6	24
100	SBS/Pani-DBSA mixture plasticized with DOP and NCLS - Effect of the plasticizers on the probability density of volume resistivity measurements. <i>European Polymer Journal</i> , 2007, 43, 2007-2016.	5.4	24
101	Expanded Core/Shell Poly(vinyl acetate)/Poly(vinyl alcohol) Particles for Embolization. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 463-471.	3.6	24
102	An experimental study on the early stages of gas-phase olefin polymerizations using supported Ziegler-Natta and metallocene catalysts. <i>Polymer Engineering and Science</i> , 2011, 51, 302-310.	3.1	24
103	Production of core-shell polymer particles-containing cardanol by semibatch combined suspension/emulsion polymerization. <i>Polymer Engineering and Science</i> , 2014, 54, 1222-1229.	3.1	24
104	Free-radical polymerization of urea, acrylic acid, and glycerol in aqueous solutions. <i>Polymer Engineering and Science</i> , 2015, 55, 1219-1229.	3.1	24
105	Encapsulation of Piper cabralanum (Piperaceae) nonpolar extract in poly(methyl methacrylate) in K562 cells. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 8363-8373.	6.7	24
106	Influence of wax chemical structure on W/O emulsion rheology and stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 558, 45-56.	4.7	24
107	Determination of hydrazide content in poly(oxadiazole-hydrazide) copolymers by NMR and thermal analysis. <i>Polymer</i> , 2003, 44, 6223-6233.	3.8	23
108	SBS/Polyaniline or Carbon Black System: Finding the Optimal Process and Molding Temperatures Through Experimental Design. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 463-469.	3.6	23

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109	Optimum reparameterization of power function models. <i>Chemical Engineering Science</i> , 2008, 63, 4631-4635.	3.8	23
110	Modeling and Simulation of Liquid Phase Propylene Polymerizations in Industrial Loop Reactors. <i>Macromolecular Symposia</i> , 2008, 271, 8-14.	0.7	23
111	Preparation and Cytotoxicity of Poly(Methyl Methacrylate) Nanoparticles for Drug Encapsulation. <i>Macromolecular Symposia</i> , 2012, 319, 34-40.	0.7	23
112	Alarm management practices in natural gas processing plants. <i>Control Engineering Practice</i> , 2016, 55, 185-196.	5.5	23
113	Refractive index of solutions containing poly(vinyl acetate) and poly(methyl methacrylate). <i>Journal of Applied Polymer Science</i> , 1991, 42, 2795-2809.	2.6	22
114	Modeling of Particle Fragmentation in Heterogeneous Olefin Polymerization Reactions. <i>Polymer-Plastics Technology and Engineering</i> , 2003, 11, 133-154.	0.7	22
115	New polyaniline/polycardanol conductive blends characterized by FTIR, NIR, and XPS. <i>Polymer Engineering and Science</i> , 2008, 48, 1947-1952.	3.1	22
116	Production of bone cement composites: effect of fillers, co-monomer and particles properties. <i>Brazilian Journal of Chemical Engineering</i> , 2011, 28, 229-241.	1.3	22
117	Quantitative Evaluation of the Efficiency of Water-in-Crude-Oil Emulsion Dehydration by Electrocoalescence in Pilot-Plant and Full-Scale Units. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13423-13437.	3.7	22
118	Influence of reaction media on pressure sensitivity of polyanilines doped with DBSA. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2404-2413.	2.6	21
119	Hybrid Modeling of Methane Reformers. 1. A Metamodel for the Effectiveness Factor of a Catalyst Pellet with Complex Geometry. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9369-9375.	3.7	21
120	Lysozyme Adsorption onto Different Supports: A Comparative Study. <i>Adsorption</i> , 2005, 11, 131-138.	3.0	20
121	Theoretical and Experimental Investigation of the Production of PMMA-Based Bone Cement. <i>Macromolecular Symposia</i> , 2006, 243, 1-12.	0.7	20
122	Kinetics of the catalytic combustion of diesel soot with MoO ₃ /Al ₂ O ₃ catalyst from thermogravimetric analyses. <i>Applied Catalysis A: General</i> , 2008, 342, 87-92.	4.3	20
123	Critical Evaluation of Life Cycle Assessment Analyses of Plastic Waste Pyrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3799-3807.	6.7	20
124	Modeling and optimization of suspension SAN polymerization reactors. <i>Journal of Applied Polymer Science</i> , 1997, 65, 1683-1701.	2.6	19
125	On the costs of parameter uncertainties. Effects of parameter uncertainties during optimization and design of experiments. <i>Chemical Engineering Science</i> , 1998, 53, 2029-2040.	3.8	19
126	In-Line Monitoring and Control of Conversion and Weight-Average Molecular Weight of Polyurethanes in Solution Step-Growth Polymerization Based on Near Infrared Spectroscopy and Torquemetry. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 272-282.	3.6	19

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127	The influence of experimental errors during laboratory evaluation of FCC catalysts. <i>Applied Catalysis A: General</i> , 1999, 181, 209-220.	4.3	18
128	Simultaneous Data Reconciliation and Parameter Estimation in Bulk Polypropylene Polymerizations in Real Time. <i>Macromolecular Symposia</i> , 2006, 243, 91-103.	0.7	18
129	Propylene Solubility in Toluene and Isododecane. <i>Canadian Journal of Chemical Engineering</i> , 2003, 81, 147-152.	1.7	18
130	Comparative analysis of robust estimators on nonlinear dynamic data reconciliation. <i>Computer Aided Chemical Engineering</i> , 2008, 25, 501-506.	0.5	18
131	Experimental errors in kinetic tests and its influence on the precision of estimated parameters. Part I—Analysis of first-order reactions. <i>Chemical Engineering Journal</i> , 2009, 155, 816-823.	12.7	18
132	A unified statistical framework for monitoring multivariate systems with unknown source and error signals. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010, 104, 223-232.	3.5	18
133	Preparo de nanocompósitos de poli(succinato de butileno) (PDS) e argila montmorilonita organofílica via polimerização in situ. <i>Polímeros</i> , 2014, 24, 604-611.	0.7	18
134	Polymeric nanoparticles as therapeutic agents against coronavirus disease. <i>Journal of Nanoparticle Research</i> , 2022, 24, 12.	1.9	18
135	Kinetics of the seeded semicontinuous emulsion copolymerization of methyl methacrylate and butyl acrylate. <i>Journal of Polymer Science Part A</i> , 2000, 38, 367-375.	2.3	17
136	Production of Core-shell Particles by Combined Semibatch Emulsion/Suspension Polymerizations. <i>Macromolecular Reaction Engineering</i> , 2011, 5, 518-532.	1.5	17
137	The new geography of scientific collaborations. <i>EMBO Reports</i> , 2012, 13, 404-407.	4.5	17
138	Contribution to a More Reproducible Method for Measuring Yield Stress of Waxy Crude Oil Emulsions. <i>Energy & Fuels</i> , 2014, 28, 1717-1725.	5.1	17
139	Statistical Evaluation of Non-Linear Parameter Estimation Procedures for Adsorption Equilibrium Models. <i>Adsorption Science and Technology</i> , 2014, 32, 257-273.	3.2	17
140	Preclinical pharmacokinetic evaluation of praziquantel loaded in poly (methyl methacrylate) nanoparticle using a HPLC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 405-412.	2.8	17
141	Adsorption equilibrium models: Computation of confidence regions of parameter estimates. <i>Chemical Engineering Research and Design</i> , 2018, 138, 144-157.	5.6	17
142	Retrofitting of industrial olefin polymerization plants: producing broad MWDs through multiobjective periodic operation. <i>Journal of Applied Polymer Science</i> , 2000, 77, 437-452.	2.6	16
143	Evaluation of parameter uncertainties during the determination of the intrinsic viscosity of polymer solutions. <i>Polymer</i> , 2000, 41, 5531-5534.	3.8	16
144	Evolution of Molecular Weight and Long Chain Branch Distributions in Olefin-Diene Copolymerization. <i>Macromolecular Theory and Simulations</i> , 2003, 12, 582-592.	1.4	16

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145	Estudo comparativo da reação inflamatória renal entre álcool de polivinil - floccular e álcool de polivinil + acetato de polivinil - esférico: estudo experimental. Revista Do Colegio Brasileiro De Cirurgioes, 2005, 32, 120-126.	0.6	16
146	Evaluation of the Initial Stages of Gas-Phase Ethylene Polymerizations with a SiO ₂ -Supported Ziegler-Natta Catalyst. Macromolecular Reaction Engineering, 2009, 3, 47-57.	1.5	16
147	Solid-State Polymerization of Poly(ethylene terephthalate): The Effect of Water Vapor in the Carrier Gas. Macromolecular Materials and Engineering, 2011, 296, 113-121.	3.6	16
148	Preparation of PMMA Nanoparticles Loaded with Benzophenone through Miniemulsion Polymerization. Macromolecular Symposia, 2012, 319, 246-250.	0.7	16
149	Emulsion phase inversion of model and crude oil systems detected by near-infrared spectroscopy and principal component analysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 565-573.	4.7	16
150	Modelling the chemical recycling of crosslinked poly (methyl methacrylate): Kinetics of depolymerisation. Journal of Analytical and Applied Pyrolysis, 2019, 144, 104706.	5.5	16
151	Periodic oscillations in continuous free-radical solution polymerization reactors—a general approach. Chemical Engineering Science, 2001, 56, 3469-3482.	3.8	15
152	The bifurcation behavior of continuous free-radical solution loop polymerization reactors. Chemical Engineering Science, 2003, 58, 2805-2821.	3.8	15
153	Synthesis of Propylene/1-Butene Copolymers with Ziegler-Natta Catalyst in Gas-Phase Copolymerizations, 1. Macromolecular Chemistry and Physics, 2005, 206, 2333-2341.	2.2	15
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