

Jos Carlos Pinto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

384
papers

5,720
citations

38
h-index

54
g-index

400
ext. papers

6,437
ext. citations

2.9
avg, IF

5.81
L-index

#	Paper	IF	Citations
384	Nonlinear parameter estimation through particle swarm optimization. <i>Chemical Engineering Science</i> , 2008 , 63, 1542-1552	4.4	232
383	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	4.4	187
382	Use of polyhydroxybutyrate and ethyl cellulose for coating of urea granules. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 9984-91	5.7	101
381	The use of particle swarm optimization for dynamical analysis in chemical processes. <i>Computers and Chemical Engineering</i> , 2002 , 26, 1783-1793	4	88
380	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	4.4	75
379	When Polymer Reaction Engineers Play Dice: Applications of Monte Carlo Models in PRE. <i>Macromolecular Reaction Engineering</i> , 2015 , 9, 141-185	1.5	73
378	Monitoring and Control of Polymerization Reactors Using NIR Spectroscopy. <i>Polymer-Plastics Technology and Engineering</i> , 2005 , 44, 1-61		73
377	Optimum reference temperature for reparameterization of the Arrhenius equation. Part 2: Problems involving multiple reparameterizations. <i>Chemical Engineering Science</i> , 2008 , 63, 2895-2906	4.4	71
376	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	4.4	66
375	A survey of advanced control of polymerization reactors. <i>Polymer Engineering and Science</i> , 1996 , 36, 433-447	1.5	63
374	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		62
373	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	5.1	61
372	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	2.9	56
371	Modeling and performance monitoring of multivariate multimodal processes. <i>AIChE Journal</i> , 2013 , 59, 1557-1569	3.6	54
370	A Magnetic Composite for Cleaning of Oil Spills on Water. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 942-948	3.9	54
369	Design of a core-shell support to improve lipase features by immobilization. <i>RSC Advances</i> , 2016 , 6, 62814-62824	3.7	53
368	Modeling of end-use properties of poly(propylene/ethylene) resins. <i>Polymer Testing</i> , 2001 , 20, 419-439	4.5	50

367	A new approach for sequential experimental design for model discrimination. <i>Chemical Engineering Science</i> , 2006 , 61, 5791-5806	4.4	47
366	Steady-state modeling of slurry and bulk propylene polymerizations. <i>Chemical Engineering Science</i> , 2001 , 56, 4043-4057	4.4	47
365	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	5.2	47
364	Monitoring and control of styrene solution polymerization using NIR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 1273-1289	2.9	45
363	Kinetics of Propylene Polymerization Using Bis(2-phenylindenyl)zirconium Dichloride/Methylaluminoxane. <i>Journal of the American Chemical Society</i> , 2000 , 122, 11275-11285	16.4	45
362	A suitable model to describe bioremediation of a petroleum-contaminated soil. <i>International Biodeterioration and Biodegradation</i> , 2006 , 58, 254-260	4.8	44
361	Semibatch styrene suspension polymerization processes. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 3021-3038	2.9	44
360	Control and design of average particle size in styrene suspension polymerizations using NIRS. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 453-462	2.9	44
359	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	2.9	43
358	Synthesis of Biodegradable Hydrogel Nanoparticles for Bioapplications Using Inverse Miniemulsion RAFT Polymerization. <i>Macromolecules</i> , 2011 , 44, 7167-7175	5.5	42
357	Magnetic field sensor based on a maghemite/polyaniline hybrid material. <i>Journal of Materials Science</i> , 2010 , 45, 5012-5021	4.3	42
356	Microwave activation of enzymatic catalysts for biodiesel production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010 , 67, 117-121		42
355	Uma revisão sobre os processos de polimerizaãõ em suspensãõ. <i>Polimeros</i> , 2007 , 17, 166-179	1.6	41
354	New in situ Blends of Polyaniline and Cardanol Bio-Resins. <i>Macromolecular Materials and Engineering</i> , 2008 , 293, 675-683	3.9	41
353	Dynamic optimization of semicontinuous emulsion copolymerization reactions: composition and molecular weight distribution. <i>Computers and Chemical Engineering</i> , 2001 , 25, 839-849	4	41
352	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	3.6	40
351	Natural Brazilian Amazonic (Curau) Fibers Modified with Polyaniline Nanoparticles. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 484-491	3.9	40
350	Modeling Particle Size Distribution (PSD) in Emulsion Copolymerization Reactions in a Continuous Loop Reactor. <i>Macromolecular Theory and Simulations</i> , 2001 , 10, 769-779	1.5	40

349	In-line monitoring of weight average molecular weight in solution polymerizations using intrinsic viscosity measurements. <i>Polymer</i> , 2001 , 42, 3909-3914	3.9	39
348	Two-State Models for Olefin Polymerization using Metallocene Catalysts. 1. Application to Fluxional Metallocene Catalyst Systems. <i>Macromolecules</i> , 2000 , 33, 7249-7260	5.5	39
347	Two-State Models for Propylene Polymerization Using Metallocene Catalysts. 2. Application to ansa-Metallocene Catalyst Systems. <i>Macromolecules</i> , 2001 , 34, 3830-3841	5.5	38
346	Modeling Ethylene/1-Butene Copolymerizations in Industrial Slurry Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 2697-2715	3.9	37
345	High-Pressure Phase Equilibria for Polypropylene-Hydrocarbon Systems. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 4627-4633	3.9	35
344	Computation of molecular weight distributions by polynomial approximation with complete adaptation procedures. <i>Macromolecular Theory and Simulations</i> , 1999 , 8, 199-213	1.5	35
343	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	2.9	34
342	Stochastic Modeling of Polymer Microstructure From Residence Time Distribution. <i>Macromolecular Reaction Engineering</i> , 2015 , 9, 259-270	1.5	33
341	A Sensor for Acid Concentration Based on Cellulose Paper Sheets Modified with Polyaniline Nanoparticles. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 739-748	3.9	33
340	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	0.8	33
339	The kinetics of gibbsite dissolution in NaOH. <i>Hydrometallurgy</i> , 2009 , 96, 6-13	4	32
338	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	4.5	32
337	Sequential experimental design for model discrimination: Taking into account the posterior covariance matrix of differences between model predictions. <i>Chemical Engineering Science</i> , 2008 , 63, 2408-2419	4.4	31
336	Detection of monomer droplets in a polymer latex by near-infrared spectroscopy. <i>Polymer</i> , 2001 , 42, 8901-8906	3.9	30
335	Molecular weight distribution in composition controlled emulsion copolymerization. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 1100-1109	2.5	30
334	Sequential experimental design for parameter estimation: a different approach. <i>Chemical Engineering Science</i> , 1990 , 45, 883-892	4.4	30
333	Characterization of the residence time distribution in loop reactors. <i>Chemical Engineering Science</i> , 2001 , 56, 2703-2713	4.4	29
332	Methodology for determination of magnetic force of polymeric nanocomposites. <i>Polymer Testing</i> , 2013 , 32, 1466-1471	4.5	28

331	Influence of the morphology of core-shell supports on the immobilization of lipase B from <i>Candida antarctica</i> . <i>Molecules</i> , 2014 , 19, 12509-30	4.8	28
330	Electrical surface resistivity of conductive polymers – A non-Gaussian approach for determination of confidence intervals. <i>European Polymer Journal</i> , 2008 , 44, 3908-3914	5.2	28
329	Synthesis and characterization of flexible polyoxadiazole films through cyclodehydration of polyhydrazides. <i>Polymer</i> , 2003 , 44, 3633-3639	3.9	28
328	Modeling and simulation of the phase-inversion process during membrane preparation. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 3036-3051	2.9	28
327	Performance Evaluation of Real Industrial RTO Systems. <i>Processes</i> , 2016 , 4, 44	2.9	28
326	Simulation of Catalytic Cracking in a Fixed-Fluidized-Bed Unit. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 6027-6034	3.9	27
325	Modeling molecular weight distribution in emulsion polymerization reactions with transfer to polymer. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 3513-3528	2.5	27
324	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	5.1	27
323	Core/Shell Polymer Particles by Semibatch Combined Suspension/Emulsion Polymerizations for Enzyme Immobilization. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 135-143	3.9	26
322	Investigation of Catalyst Fragmentation in Gas-Phase Olefin Polymerisation: A Novel Short Stop Reactor. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1846-1853	4.8	26
321	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	3.7	25
320	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	14.7	25
319	Common vulnerabilities of RTO implementations in real chemical processes. <i>Canadian Journal of Chemical Engineering</i> , 2013 , 91, 652-668	2.3	25
318	Preparation of a semi-conductive thermoplastic elastomer vulcanizate based on EVA and NBR blends with polyaniline. <i>Polymer Testing</i> , 2007 , 26, 692-697	4.5	25
317	Constrained optimal batch polymerization reactor control. <i>Polymer Engineering and Science</i> , 1990 , 30, 1209-1219	2.3	25
316	Compartmentalization Effects on Miniemulsion Polymerization with Oil-Soluble Initiator. <i>Macromolecular Reaction Engineering</i> , 2013 , 7, 221-231	1.5	24
315	Accelerated Deactivation of Hydrotreating Catalysts by Coke Deposition. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 5975-5981	3.9	24
314	Effects of reaction variables on the reproducibility of the syntheses of poly-1,3,4-oxadiazole. <i>Polymer</i> , 2004 , 45, 4997-5004	3.9	24

313	Modeling of Particle Fragmentation in Heterogeneous Olefin Polymerization Reactions, 2. <i>Macromolecular Materials and Engineering</i> , 2005 , 290, 511-524	3.9	24
312	Synthesis of poly(butylene succinate) using metal catalysts. <i>Polymer Engineering and Science</i> , 2015 , 55, 1889-1896	2.3	23
311	Synthesis, Characterization and Drug Delivery Profile of Magnetic PLGA-PEG-PLGA/Maghemite Nanocomposite. <i>Macromolecular Symposia</i> , 2014 , 343, 18-25	0.8	23
310	Effect of pressure on the structure and electrical conductivity of cardanol- <i>l</i> -lysine-polyaniline blends. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 2666-2673	2.9	23
309	Living-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	23
308	Producing Bimodal Molecular Weight Distribution Polymer Resins Using Living and Conventional Free-Radical Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 2568-2578	3.9	23
307	Mathematical modeling of polystyrene particle size distribution produced by suspension polymerization. <i>Brazilian Journal of Chemical Engineering</i> , 2000 , 17, 395-407	1.7	23
306	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	1.5	22
305	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	2.9	22
304	Production of core-shell polymer particles-containing cardanol by semibatch combined suspension/emulsion polymerization. <i>Polymer Engineering and Science</i> , 2014 , 54, 1222-1229	2.3	22
303	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	5.1	22
302	Expanded Core/Shell Poly(vinyl acetate)/Poly(vinyl alcohol) Particles for Embolization. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 463-471	3.9	22
301	Modeling of Particle Fragmentation in Heterogeneous Olefin Polymerization Reactions. <i>Polymer-Plastics Technology and Engineering</i> , 2003 , 11, 133-154		22
300	Molecular-Weight Multimodality of Multiple Flory Distributions. <i>Macromolecular Theory and Simulations</i> , 2002 , 11, 293	1.5	22
299	Determination of hydrazide content in poly(oxadiazole-hydrazide) copolymers by NMR and thermal analysis. <i>Polymer</i> , 2003 , 44, 6223-6233	3.9	22
298	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	3.9	22
297	Emulsion Polymerization in a Loop Reactor: Effect of the Operation Conditions. <i>Polymer-Plastics Technology and Engineering</i> , 1999 , 7, 303-326		22
296	Influence of PLGA and PLGA-PEG on the dissolution profile of oxaliplatin. <i>Polimeros</i> , 2016 , 26, 137-143	1.6	22

295	Preparation and Cytotoxicity of Poly(Methyl Methacrylate) Nanoparticles for Drug Encapsulation. <i>Macromolecular Symposia</i> , 2012 , 319, 34-40	0.8	21
294	Experimental design for the joint model discrimination and precise parameter estimation through information measures. <i>Chemical Engineering Science</i> , 2011 , 66, 1940-1952	4.4	21
293	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	5.2	21
292	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	3.9	21
291	Control strategies for complex chemical processes. Applications in polymerization processes. <i>Computers and Chemical Engineering</i> , 2003 , 27, 1307-1327	4	21
290	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	5.9	20
289	Production of PMMA Nanoparticles Loaded with Praziquantel Through –In Situ– Miniemulsion Polymerization. <i>Macromolecular Reaction Engineering</i> , 2013 , 7, 54-63	1.5	20
288	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	20
287	Acrylic Acid/Vinyl Acetate Suspension Copolymerizations. 2. Modeling and Experimental Results. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 7324-7342	3.9	20
286	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	2.9	20
285	Refractive index of solutions containing poly(vinyl acetate) and poly(methyl methacrylate). <i>Journal of Applied Polymer Science</i> , 1991 , 42, 2795-2809	2.9	20
284	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	2.3	19
283	Modeling and Simulation of Liquid Phase Propylene Polymerizations in Industrial Loop Reactors. <i>Macromolecular Symposia</i> , 2008 , 271, 8-14	0.8	19
282	Influence of reaction media on pressure sensitivity of polyanilines doped with DBSA. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2404-2413	2.9	19
281	Optimum reparameterization of power function models. <i>Chemical Engineering Science</i> , 2008 , 63, 4631-4635	4.4	19
280	Theoretical and Experimental Investigation of the Production of PMMA-Based Bone Cement. <i>Macromolecular Symposia</i> , 2006 , 243, 1-12	0.8	19
279	Lysozyme Adsorption onto Different Supports: A Comparative Study. <i>Adsorption</i> , 2005 , 11, 131-138	2.6	19
278	PLA-b-PEG/magnetite hyperthermic agent prepared by Ugi four component condensation. <i>EXPRESS Polymer Letters</i> , 2016 , 10, 188-203	3.4	19

277	Numerical Aspects of Data Reconciliation in Industrial Applications. <i>Processes</i> , 2017 , 5, 56	2.9	18
276	New polyaniline/polycardanol conductive blends characterized by FTIR, NIR, and XPS. <i>Polymer Engineering and Science</i> , 2008 , 48, 1947-1952	2.3	18
275	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	3.9	18
274	Encapsulation of (Piperaceae) nonpolar extract in poly(methyl methacrylate) by miniemulsion and evaluation of increase in the effectiveness of antileukemic activity in K562 cells. <i>International Journal of Nanomedicine</i> , 2017 , 12, 8363-8373	7.3	17
273	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	3.9	17
272	Simultaneous Data Reconciliation and Parameter Estimation in Bulk Polypropylene Polymerizations in Real Time. <i>Macromolecular Symposia</i> , 2006 , 243, 91-103	0.8	17
271	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	5.3	17
270	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	6	16
269	Contribution to a More Reproducible Method for Measuring Yield Stress of Waxy Crude Oil Emulsions. <i>Energy & Fuels</i> , 2014 , 28, 1717-1725	4.1	16
268	Free-radical polymerization of urea, acrylic acid, and glycerol in aqueous solutions. <i>Polymer Engineering and Science</i> , 2015 , 55, 1219-1229	2.3	16
267	Production of Core-shell Particles by Combined Semibatch Emulsion/Suspension Polymerizations. <i>Macromolecular Reaction Engineering</i> , 2011 , 5, 518-532	1.5	16
266	Modeling and optimization of suspension SAN polymerization reactors. <i>Journal of Applied Polymer Science</i> , 1997 , 65, 1683-1701	2.9	16
265	Propylene Solubility in Toluene and Isododecane. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 81, 147-152	2.3	16
264	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	2.5	16
263	Evaluation of parameter uncertainties during the determination of the intrinsic viscosity of polymer solutions. <i>Polymer</i> , 2000 , 41, 5531-5534	3.9	16
262	Production of bone cement composites: effect of fillers, co-monomer and particles properties. <i>Brazilian Journal of Chemical Engineering</i> , 2011 , 28, 229-241	1.7	15
261	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	4.4	15
260	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	5.1	15

259	Living Radical Polymerization in Tubular Reactors, 2 Process Optimization for Tailor-Made Molecular Weight Distributions. <i>Macromolecular Reaction Engineering</i> , 2008 , 2, 414-421	1.5	15
258	Estudo comparativo da reaõ inflamatõria renal entre ãcool de polivinil - flocular e ãcool de polivinil + acetato de polivinil - esfõico: estudo experimental. <i>Revista Do Colegio Brasileiro De Cirurgioes</i> , 2005 , 32, 120-126	0.5	15
257	Alarm management practices in natural gas processing plants. <i>Control Engineering Practice</i> , 2016 , 55, 185-196	3.9	15
256	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, 405-12	3.5	14
255	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	5.1	14
254	Reversible Addition Fragmentation Chain Transfer Polymerization of Vinyl Acetate in Bulk and Suspension Systems. <i>Macromolecular Reaction Engineering</i> , 2014 , 8, 493-502	1.5	14
253	The new geography of scientific collaborations. Changing patterns in the geography of science pose ethical challenges for collaborations between established and emerging scientific powers. <i>EMBO Reports</i> , 2012 , 13, 404-7	6.5	14
252	Solid-State Polymerization of Poly(ethylene terephthalate): The Effect of Water Vapor in the Carrier Gas. <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 113-121	3.9	14
251	In-Situ Incorporation of Amoxicillin in PVA/PVAc-co-PMMA Particles during Suspension Polymerizations. <i>Macromolecular Symposia</i> , 2011 , 299-300, 34-40	0.8	14
250	In situ determination of aniline polymerization kinetics through near-infrared spectroscopy. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 157-162	2.9	14
249	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	14.7	14
248	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	3.9	14
247	Real time monitoring of the quiescent suspension polymerization of methyl methacrylate in microreactors Part 1. A kinetic study by Raman spectroscopy and evolution of droplet size. <i>Chemical Engineering Science</i> , 2015 , 131, 340-352	4.4	13
246	Preparo de nanocompõsitos de poli(succinato de butileno) (PDS) e argila motmorilonita organofõica via polimerizaõ in situ. <i>Polimeros</i> , 2014 , 24, 604-611	1.6	13
245	Synthesis of Spherical Core-Shell PVAc-co-PMMA/PVA Particles for Use in Vascular Embolization. <i>Macromolecular Symposia</i> , 2011 , 299-300, 132-138	0.8	13
244	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	3.8	13
243	Comparative analysis of robust estimators on nonlinear dynamic data reconciliation. <i>Computer Aided Chemical Engineering</i> , 2008 , 25, 501-506	0.6	13
242	Evolution of Molecular Weight and Long Chain Branch Distributions in Olefin Diene Copolymerization. <i>Macromolecular Theory and Simulations</i> , 2003 , 12, 582-592	1.5	13

241	Synthesis of Propylene/1-Butene Copolymers with Ziegler-Natta Catalyst in Gas-Phase Copolymerizations, 1. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 2333-2341	2.6	13
240	Periodic oscillations in continuous free-radical solution polymerization reactors – general approach. <i>Chemical Engineering Science</i> , 2001 , 56, 3469-3482	4.4	13
239	The influence of experimental errors during laboratory evaluation of FCC catalysts. <i>Applied Catalysis A: General</i> , 1999 , 181, 209-220	5.1	13
238	Control of a chaotic polymerization reactor: A neural network based model predictive approach. <i>Polymer Engineering and Science</i> , 1996 , 36, 448-457	2.3	13
237	Sequential experimental design for parameter estimation: analysis of relative deviations. <i>Chemical Engineering Science</i> , 1991 , 46, 3129-3138	4.4	13
236	Adsorption equilibrium models: Computation of confidence regions of parameter estimates. <i>Chemical Engineering Research and Design</i> , 2018 , 138, 144-157	5.5	12
235	Preparation of PMMA Nanoparticles Loaded with Benzophenone-3 through Miniemulsion Polymerization. <i>Macromolecular Symposia</i> , 2012 , 319, 246-250	0.8	12
234	Evaluation of the Initial Stages of Gas-Phase Ethylene Polymerizations with a SiO ₂ -Supported Ziegler-Natta Catalyst. <i>Macromolecular Reaction Engineering</i> , 2009 , 3, 47-57	1.5	12
233	In-Line Monitoring of Vinyl Chloride Suspension Polymerization with Near-Infrared Spectroscopy, 1 – Analysis of Morphological Properties. <i>Macromolecular Reaction Engineering</i> , 2010 , 4, 11-24	1.5	12
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