JoÃ£o B P Soares

List of Publications by Year in descending order

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290 papers	7,357 citations	57631 44 h-index	106150 65 g-index
336 all docs	336 docs citations	336 times ranked	2875 citing authors

#	Article	IF	Citations
1	Using poly(acrylamideâ€coâ€lauric acid) to remediate oil spills on water. Canadian Journal of Chemical Engineering, 2023, 101, 322-327.	0.9	0
2	Evaluation of candidate polymers to maximize geotechnical performance of oil sands tailings. Canadian Geotechnical Journal, 2022, 59, 359-371.	1.4	3
3	Amylopectin graft copolymers for oil sands tailings treatment. Canadian Journal of Chemical Engineering, 2022, 100, 731-751.	0.9	1
4	Polystyrene magnetic nanocomposite blend: An effective, facile, and economical alternative in oil spill removal applications. Chemosphere, 2022, 286, 131611.	4.2	9
5	Nanodiamond-decorated thin film composite membranes with antifouling and antibacterial properties. Desalination, 2022, 522, 115436.	4.0	31
6	Effect of the branching morphology of a cationic polymer flocculant synthesized by controlled reversibleâ€deactivation radical polymerization on the flocculation and dewatering of dilute mature fine tailings. Canadian Journal of Chemical Engineering, 2022, 100, 790-799.	0.9	3
7	A conceptual multilevel approach to polyolefin reaction engineering. Canadian Journal of Chemical Engineering, 2022, 100, 2432-2474.	0.9	15
8	Preface to the special section in memory of Professor Kenneth F. O'Driscoll. Canadian Journal of Chemical Engineering, 2022, 100, 643-644.	0.9	0
9	A perspective on The Canadian Journal of Chemical Engineering commemorating its 100th volume: 1929â€“2021. Canadian Journal of Chemical Engineering, 2022, 100, 1983-2010.	0.9	3
10	Torque-based evaluation of mixing optimization and shear sensitivity during transport of flocculated tailings. Minerals Engineering, 2022, 181, 107541.	1.8	0
11	Celebrating the 100th Volume of the CJCE. Canadian Journal of Chemical Engineering, 2022, 100, 1109-1110.	0.9	0
12	The <scp>CJCE</scp> Perspective Article Special Series. Canadian Journal of Chemical Engineering, 2022, 100, 1669-1669.	0.9	0
13	The implications of 3<scp>D</scp>â€printed membranes for water and wastewater treatment and resource recovery. Canadian Journal of Chemical Engineering, 2022, 100, 2309-2321.	0.9	11
14	Molecular weight distribution effects of polyacrylamide flocculants on clay aggregate formation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 649, 129487.	2.3	6
15	Enhanced dewatering of oil sands tailings by a novel water-soluble cationic polymer. Separation and Purification Technology, 2021, 260, 118183.	3.9	12
16	Development of an Integrated Framework for Multiscale, Multiphase Modeling of Industrial Slurryâ€Phase Reactors for Polyethylene Production. Macromolecular Reaction Engineering, 2021, 15, 2000043.	0.9	9
17	Flocculating and dewatering of kaolin suspensions with different forms of poly(acrylamideâ€coâ€diallyl) Tj ETQq1 1 0.784314 rgBT /O	0.9	7
18	Prediction of Temperature and Concentration Profiles in an Industrial Polymerization Fluidized Bed Reactor under Condensed-Mode Operation. Industrial & Engineering Chemistry Research, 2021, 60, 990-1013.	1.8	6

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19	Ethylene Polymerization Kinetics and Microstructure of Polyethylenes Made with Supported Metallocene Catalysts. Industrial & Engineering Chemistry Research, 2021, 60, 9739-9754.	1.8	13
20	Systematic Comparison of Slurry and Gasâ€Phase Polymerization of Ethylene: Part I Thermodynamic Effects. Macromolecular Reaction Engineering, 2021, 15, 2100006.	0.9	8
21	Flocculation Efficiency and Spatial Distribution of Water in Oil Sands Tailings Flocculated with a Partially Hydrophobic Graft Copolymer. ACS Applied Materials & Interfaces, 2021, 13, 43726-43733.	4.0	2
22	Flocculation and dewatering of oil sands tailings with a novel functionalized polyolefin flocculant. Separation and Purification Technology, 2021, 274, 119018.	3.9	9
23	Ethylene/Propylene/Diene Terpolymers Grafted with Poly(methyl acrylate) by Reverse Atom Transfer Radical Polymerization. Macromolecular Chemistry and Physics, 2021, 222, 2100189.	1.1	2
24	Recovery of residual bitumen, dewatering, and consolidation of oil sands tailings with poly(acrylamide-co-lauric acid). Minerals Engineering, 2021, 174, 107248.	1.8	6
25	Ethylene/1â€Hexene Copolymerization Kinetics and Microstructure of Copolymers Made with a Supported Metallocene Catalyst. Macromolecular Reaction Engineering, 2021, 15, 2100041.	0.9	8
26	Quantifying the Effect of Polyethylene Molecular Weight, Comonomer Fraction, and Comonomer Type on High-Temperature Thermal Gradient Interaction Chromatography. Macromolecules, 2021, 54, 10883-10890.	2.2	2
27	Water soluble polymeric nanofibres for rapid flocculation and enhanced dewatering of mature fine tailings. Canadian Journal of Chemical Engineering, 2020, 98, 96-103.	0.9	6
28	Fabrication of Highly Permeable and Thermally Stable Reverse Osmosis Thin Film Composite Polyamide Membranes. ACS Applied Materials & Interfaces, 2020, 12, 2916-2925.	4.0	44
29	Polymerization Kinetics and Microstructure of Ethylene/1â€Hexene Copolymers Made with Dual Metallocenes. Macromolecular Reaction Engineering, 2020, 14, 1900032.	0.9	9
30	Thermally stable thin film composite polymeric membranes for water treatment: A review. Journal of Cleaner Production, 2020, 250, 119447.	4.6	71
31	Established Leaders in Chemical Engineering Series. Canadian Journal of Chemical Engineering, 2020, 98, 4-4.	0.9	1
32	Nanodiamond-Enabled Thin-Film Nanocomposite Polyamide Membranes for High-Temperature Water Treatment. ACS Applied Materials & Interfaces, 2020, 12, 53274-53285.	4.0	33
33	Evaluation of adsorption capacities of nanocomposites prepared from bean starch and montmorillonite. Sustainable Chemistry and Pharmacy, 2020, 17, 100292.	1.6	17
34	Using Artificial Intelligence Techniques to Design Ethylene/1â€Olefin Copolymers. Macromolecular Theory and Simulations, 2020, 29, 2000048.	0.6	5
35	Dynamic Monte Carlo Simulation for Chainâ€Shuttling Polymerization of Olefin Block Copolymers in Continuous Stirredâ€Tank Reactor. Macromolecular Reaction Engineering, 2020, 14, 2000030.	0.9	6
36	Mapping the Structureâ€“Property Space of Bimodal Polyethylene Using Response Surface Methods. Part 2: Experimental Investigation of Polymer Microstructure and Yield Estimations. Macromolecular Reaction Engineering, 2020, 14, 2000023.	0.9	4

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37	Znâ€assisted cooperative effect for copolymers made by heterodinuclear Feâ^'Ni catalyst. ChemCatChem, 2020, 12, 5809-5818.	1.8	10
38	Cellulose Nanocrystalsâ€Based Polyacrylamide as Flocculating Agent of Mature Fine Tailings. Macromolecular Symposia, 2020, 394, 2000063.	0.4	0
39	Challenges in developing polymer flocculants to improve bitumen quality in non-aqueous extraction processes: an experimental study. Petroleum Science, 2020, 17, 811-821.	2.4	14
40	Amylopectin-graft-polyacrylamide for the flocculation and dewatering of oil sands tailings. Minerals Engineering, 2020, 148, 106196.	1.8	11
41	Aggregate structures formed by hyperbranched functionalized polyethylene (HB f PE) treatment of oil sands tailings. Canadian Journal of Chemical Engineering, 2019, 97, 99-102.	0.9	4
42	Development and application of an amylopectin-graft-poly(methyl acrylate) solidifier for rapid and efficient containment and recovery of heavy oil spills in aqueous environments. Chemosphere, 2019, 236, 124352.	4.2	11
43	Removal of Heavy Metal Water Pollutants (Co²⁺ and Ni²⁺) Using Polyacrylamide/Sodium Montmorillonite (PAM/Na-MMT) Nanocomposites. ACS Omega, 2019, 4, 10834-10844.	1.6	68
44	Amorphous to high crystalline PE made by mono and dinuclear Fe-based catalysts. European Polymer Journal, 2019, 119, 229-238.	2.6	26
45	Polymerization Kinetics and the Effect of Reactor Residence Time on Polymer Microstructure. , 2019, , 115-153.		4
46	Ethylene/1-hexene polymerization with bis(cyclopentadienyl) hafnium(IV) dichloride: A fundamental polymerization kinetics model. Journal of Catalysis, 2019, 375, 140-154.	3.1	11
47	Data-Driven Estimation of Significant Kinetic Parameters Applied to the Synthesis of Polyolefins. Processes, 2019, 7, 309.	1.3	6
48	Cooperative effect through different bridges in nickel catalysts for polymerization of ethylene. Applied Organometallic Chemistry, 2019, 33, e4929.	1.7	18
49	Monitoring tailings flocculation performance using hyperspectral imagery. Canadian Journal of Chemical Engineering, 2019, 97, 2465-2471.	0.9	2
50	Water Soluble Polymer Flocculants: Synthesis, Characterization, and Performance Assessment. Macromolecular Materials and Engineering, 2019, 304, 1800526.	1.7	111
51	Simultaneous Deconvolution of the Bivariate Molecular Weight and Chemical Composition Distribution of Ethylene/1â€Hexene Copolymers. Macromolecular Chemistry and Physics, 2019, 220, 1800522.	1.1	11
52	Multifunctional CO₂â€switchable polymers for the flocculation of oil sands tailings. Journal of Applied Polymer Science, 2019, 136, 47578.	1.3	4
53	Advanced Polymer Flocculants for Solidâ€"Liquid Separation in Oil Sands Tailings. Macromolecular Rapid Communications, 2019, 40, e1800644.	2.0	24
54	Comparing Longâ€Chain Branching Mechanisms for Ethylene Polymerization with Metallocenes and Other Singleâ€Site Catalysts: What Simulated Microstructures Can Teach Us. Macromolecular Reaction Engineering, 2019, 13, 1800059.	0.9	8

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55	6th ICPC â€“ International Conference on Polyolefin Characterization. Macromolecular Symposia, 2018, 377, 1870004.	0.4	0
56	Mathematical Modeling of Multiple High Temperature Thermal Gradient Interaction Chromatography (mâ€HTâ€TGIC) for Ethylene/1â€Olefin Copolymer Blends. Macromolecular Symposia, 2018, 377, 1700061.	0.4	5
57	Enhanced Flocculation of Oil Sands Mature Fine Tailings Using Hydrophobically Modified Polyacrylamide Copolymers. Global Challenges, 2018, 2, 1700135.	1.8	21
58	Mapping the Structureâ€“Property Space of Bimodal Polyethylenes Using Response Surface Methods. Part 1: Digital Data Investigation. Macromolecular Reaction Engineering, 2018, 12, 1700066.	0.9	6
59	Monte Carlo Simulation of Olefin Block Copolymers: Bivariate Distribution of Molecular Weight and Chemical Composition. Macromolecular Symposia, 2018, 377, 1700060.	0.4	4
60	Synthesis of Metallocene Catalyzed Ethylene 1,7-Octadiene Copolymer: Effect of Copolymerization on Polymer Properties. Macromolecular Research, 2018, 26, 295-304.	1.0	3
61	Polyolefins Made with Dual Metallocene Catalysts: How Microstructure Affects Polymer Properties. Macromolecular Chemistry and Physics, 2018, 219, 1700551.	1.1	6
62	A Methodology for Estimating Kinetic Parameters and Reactivity Ratios of Multiâ€site Type Catalysts Using Polymerization, Fractionation, and Spectroscopic Techniques. Macromolecular Reaction Engineering, 2018, 12, 1700056.	0.9	30
63	Synthesis of low to high molecular weight poly(1-hexene); rigid/flexible structures in a di- and mononuclear Ni-based catalyst series. New Journal of Chemistry, 2018, 42, 8334-8337.	1.4	21
64	Dewatering of Oil Sands Tailings with Novel Chitosan-Based Flocculants. Energy & Fuels, 2018, 32, 5271-5278.	2.5	20
65	A Monte Carlo Method to Quantify the Effect of Reactor Residence Time Distribution on Polyolefins Made with Heterogeneous Catalysts: Part Iâ€”Catalyst/Polymer Particle Size Distribution Effects. Macromolecular Reaction Engineering, 2018, 12, 1700031.	0.9	8
66	Application of solidifiers for oil spill containment: A review. Chemosphere, 2018, 194, 837-846.	4.2	83
67	A novel hydrophobically-modified polyelectrolyte for enhanced dewatering of clay suspension. Chemosphere, 2018, 194, 422-431.	4.2	29
68	Synthesis of poly(Î±-olefins) containing rare short-chain branches by dinuclear Ni-based catalysts. New Journal of Chemistry, 2018, 42, 18288-18296.	1.4	17
69	A Monte Carlo Method to Quantify the Effect of Reactor Residence Time Distribution on Polyolefins Made with Heterogeneous Catalysts: Part IIIâ€”Particle Composition Distribution Effects. Macromolecular Reaction Engineering, 2018, 12, 1800051.	0.9	7
70	A Monte Carlo Method to Quantify the Effect of Reactor Residence Time Distribution on Polyolefins Made with Heterogeneous Catalysts: Part IVâ€”Intraparticle Transfer Resistance Effects. Macromolecular Reaction Engineering, 2018, 12, 1800054.	0.9	7
71	Atypical Multiple Site Behavior of Hafnocene Catalysts in Ethylene/1-Hexene Copolymerization Using Trioctylaluminum and Borate. Macromolecules, 2018, 51, 7061-7076.	2.2	16
72	A Monte Carlo Method to Quantify the Effect of Reactor Residence Time Distribution on Polyolefins Made with Heterogeneous Catalysts: Part II â€•Packing Density Effects. Macromolecular Reaction Engineering, 2018, 12, 1800002.	0.9	4

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73	Polymer reaction engineering tools to design multifunctional polymer flocculants. Chemosphere, 2018, 210, 156-165.	4.2	10
74	Monitoring polymer flocculation in oil sands tailings: A population balance model approach. Chemical Engineering Journal, 2018, 346, 447-457.	6.6	66
75	Structure Modifications of Hydrolytically-Degradable Polymer Flocculant for Improved Water Recovery from Mature Fine Tailings. Industrial & Engineering Chemistry Research, 2018, 57, 10809-10822.	1.8	17
76	Dynamic Monte Carlo Simulation of Olefin Block Copolymers (OBCs) Produced via Chainâ€Shuttling Polymerization: Effect of Kinetic Rate Constants on Chain Microstructure. Macromolecular Reaction Engineering, 2018, 12, 1800021.	0.9	11
77	Quantifying the effect of polyacrylamide dosage, Na+ and Ca2+ concentrations, and clay particle size on the flocculation of mature fine tailings with robust statistical methods. Chemosphere, 2018, 208, 263-272.	4.2	25
78	10 Years of Macromolecular Reaction Engineering. Macromolecular Reaction Engineering, 2017, 11, 1600075.	0.9	0
79	Dewatering Oil Sands Mature Fine Tailings (MFTs) with Poly(acrylamide-co-diallyldimethylammonium chloride): Effect of Average Molecular Weight and Copolymer Composition. Industrial & Engineering Chemistry Research, 2017, 56, 1256-1266.	1.8	29
80	Flocculation of oil sands tailings by hyperbranched functionalized polyethylenes (HBfPE). Minerals Engineering, 2017, 108, 71-82.	1.8	40
81	Understanding the Microstructure of Living Ethylene/1â€Octene Block Copolymers with Dynamic Monte Carlo Simulation. Macromolecular Theory and Simulations, 2017, 26, 1700012.	0.6	3
82	Starchâ€based composites using mature fine tailings as fillers. Canadian Journal of Chemical Engineering, 2017, 95, 1901-1908.	0.9	5
83	On the Robustness of Forward and Inverse Artificial Neural Networks for the Simulation of Ethylene/1â€Butene Copolymerization. Macromolecular Theory and Simulations, 2017, 26, 1700042.	0.6	10
84	Dewatering Oil Sands Tailings with Degradable Polymer Flocculants. ACS Applied Materials & Interfaces, 2017, 9, 36290-36300.	4.0	36
85	Investigation on the flocculation of oil sands mature fine tailings with alkoxysilanes. Minerals Engineering, 2017, 111, 90-99.	1.8	19
86	Copolymerization of Ethylene with 1,9â€Decadiene: Part IIâ€”Prediction of Molecular Weight Distributions. Macromolecular Theory and Simulations, 2017, 26, 1700040.	0.6	10
87	Chemical engineering in Canada: A special Can. J. Chem. Eng. virtual issue. Canadian Journal of Chemical Engineering, 2017, 95, 1432-1433.	0.9	1
88	Joint Effect of Poly(ethyleneâ€coâ€1â€octene) Chain Length and 1â€Octene Fraction on Highâ€Temperature Thermal Gradient Interaction Chromatography. Macromolecular Chemistry and Physics, 2017, 218, 1600332.	1.1	9
89	Molecular Weight Distribution of Ethylene/1â€Olefin Copolymers: Generalized Bimodality Criterion. Macromolecular Theory and Simulations, 2017, 26, 1600060.	0.6	4
90	Ethylene Polymerization with a Hafnocene Dichloride Catalyst Using Trioctyl Aluminum and Borate: Polymerization Kinetics and Polymer Characterization. Macromolecular Reaction Engineering, 2017, 11, 1600044.	0.9	6

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91	Copolymerization of Ethylene with 1,9â€Decadiene: Part I â€“ Prediction of Average Molecular Weights and Longâ€Chain Branching Frequencies. Macromolecular Theory and Simulations, 2017, 26, 1600059.	0.6	10
92	Effect of Prepolymerization on the Kinetics of Ethylene Polymerization and Ethylene/1â€Hexene Copolymerization with a Zieglerâ€“Natta Catalyst in Slurry Reactors. Macromolecular Reaction Engineering, 2016, 10, 463-478.	0.9	9
93	Estimation of Apparent Kinetic Constants of Individual Site Types for the Polymerization of Ethylene and Î±â€olefins with Zieglerâ€“Natta Catalysts. Macromolecular Reaction Engineering, 2016, 10, 551-566.	0.9	24
94	Can We Make Better Polyurethane Composite Foams with Oil Sands Mature Fine Tailing?. Macromolecular Materials and Engineering, 2016, 301, 383-389.	1.7	7
95	Cationic Hydrolytically Degradable Flocculants with Enhanced Water Recovery for Oil Sands Tailings Remediation. Macromolecular Materials and Engineering, 2016, 301, 1248-1254.	1.7	23
96	Understanding the Formation of Linear Olefin Block Copolymers with Dynamic Monte Carlo Simulation. Macromolecular Reaction Engineering, 2016, 10, 535-550.	0.9	11
97	Inâ€situ production of polyethylene/cellulose nanocrystal composites. Canadian Journal of Chemical Engineering, 2016, 94, 2107-2113.	0.9	13
98	Using acrylamide/propylene oxide copolymers to dewater and densify mature fine tailings. Minerals Engineering, 2016, 95, 29-39.	1.8	50
99	Estimation of Polymerization Conditions Needed to Make Ethylene/1-olefin Copolymers with Specific Microstructures Using Artificial Neural Networks. Macromolecular Reaction Engineering, 2016, 10, 215-232.	0.9	17
100	Analysis of Ethylene/1-Olefin Copolymers Made with Ziegler-Natta Catalysts by Deconvolution of Molecular Weight and Average Short Chain Branching Distributions. Macromolecular Reaction Engineering, 2016, 10, 206-214.	0.9	22
101	Comparison of Different Dynamic Monte Carlo Methods for the Simulation of Olefin Polymerization. Macromolecular Symposia, 2016, 360, 160-178.	0.4	10
102	Quantifying the Copolymerization Kinetics of Ethylene and 1-Octene Catalyzed with rac-Et(Ind)₂ZrCl₂ in a Solution Reactor. Macromolecules, 2016, 49, 2448-2457.	2.2	12
103	High Temperature Thermal Gradient Interaction Chromatography (HTâ€TGIC) of Ethylene/1â€Octene Copolymers: Model Development and Validation. Macromolecular Symposia, 2015, 356, 54-60.	0.4	4
104	High Temperature Thermal Gradient Interaction Chromatography (HTâ€TGIC) for Blends of Ethylene/1â€Octene Copolymers: A Mathematical Model. Macromolecular Symposia, 2015, 354, 361-366.	0.4	4
105	Effect of Column Type on Polyolefin Fractionation by Highâ€Temperature Thermal Gradient Interaction Chromatography. Macromolecular Symposia, 2015, 356, 10-18.	0.4	3
106	The Influence of Tailings Composition on Flocculation. Canadian Journal of Chemical Engineering, 2015, 93, 1514-1523.	0.9	64
107	Effect of Solvent Type on Highâ€Temperature Thermal Gradient Interaction Chromatography of Polyethylene and Ethyleneâ€“1â€Octene Copolymers. Macromolecular Chemistry and Physics, 2015, 216, 38-48.	1.1	7
108	Mathematical Modeling of Crystallization Elution Fractionation of Ethylene/1â€Octene Copolymers. Macromolecular Chemistry and Physics, 2015, 216, 621-635.	1.1	8

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109	When Polymer Reaction Engineers Play Dice: Applications of Monte Carlo Models in PRE. Macromolecular Reaction Engineering, 2015, 9, 141-185.	0.9	105
110	Waterâ€soluble polymers for oil sands tailing treatment: A Review. Canadian Journal of Chemical Engineering, 2015, 93, 888-904.	0.9	104
111	Correlation of Polymerization Conditions with Thermal and Mechanical Properties of Polyethylenes Made with Ziegler-Natta Catalysts. International Journal of Polymer Science, 2014, 2014, 1-10.	1.2	16
112	Effect of Polymerization Conditions on Thermal and Mechanical Properties of Ethylene/1-Butene Copolymer Made with Ziegler-Natta Catalysts. International Journal of Polymer Science, 2014, 2014, 1-10.	1.2	9
113	Effect of long chain branching on the properties of polyethylene synthesized via metallocene catalysis. Polymer Science - Series B, 2014, 56, 707-720.	0.3	6
114	Effect of Varying Hydrogen Concentration, External Donor Concentration, and Temperature on Propylene Polymerization Kinetics and Microstructure of Polypropylene Made with a 4th Generation Ziegler-Natta Catalyst. Macromolecular Reaction Engineering, 2014, 8, 723-735.	0.9	9
115	Characterization of Ethylene/Î±â€Olefin Copolymers Using Highâ€Temperature Thermal Gradient Interaction Chromatography. Macromolecular Chemistry and Physics, 2014, 215, 465-475.	1.1	19
116	The Use of Instantaneous Distributions in Polymerization Reaction Engineering. Macromolecular Reaction Engineering, 2014, 8, 235-259.	0.9	37
117	Fractionation of Ethylene/1-Octene Copolymers by High-Temperature Thermal Gradient Interaction Chromatography. Industrial & Engineering Chemistry Research, 2014, 53, 9228-9235.	1.8	22
118	Chemical Composition Distribution and Temperature Rising Elution Fractionation of Linear Olefin Block Copolymers. Macromolecular Symposia, 2013, 330, 123-131.	0.4	7
119	Effect of Hydrogen and External Donor on the Microstructure of Polypropylene Made with a 4th Generation Zieglerâ€“Natta Catalyst. Macromolecular Reaction Engineering, 2013, 7, 135-145.	0.9	15
120	Inâ€Depth Investigation of Ethylene Solution Polymerization Kinetics With racâ€Et(Ind)₂ZrCl₂/MAO. Macromolecular Chemistry and Physics, 2013, 214, 246-262.	1.1	9
121	Analysis of Slurryâ€<scp>P</scp>hase Coâ€<scp>P</scp>olymerization of Ethylene and 1â€<scp>B</scp>utene by Zieglerâ€“<scp>N</scp>atta Catalysts Part 1: Experimental Activity Profiles. Macromolecular Reaction Engineering, 2013, 7, 350-361.	0.9	6
122	Direct production of ultra-high molecular weight polyethylene with oriented crystalline microstructures. Journal of Molecular Catalysis A, 2013, 366, 74-83.	4.8	24
123	Ethylene Polymerization and Ethylene/1-Octene Copolymerization withrac-Dimethylsilylbis(indenyl)hafnium Dimethyl Using Trioctyl Aluminum and Borate: A Polymerization Kinetics Investigation. Macromolecules, 2013, 46, 1312-1324.	2.2	14
124	Effect of Operating Conditions on Dynamic Crystallization of Ethylene/1â€Octene Copolymers. Macromolecular Chemistry and Physics, 2013, 214, 2591-2601.	1.1	7
125	Heterogeneous Ethylene and Alphaâ€Olefin Copolymerization Using Zirconocene Aluminohydride Complexes. Macromolecular Symposia, 2013, 325-326, 71-76.	0.4	4
126	Mathematical Model of Dynamic Crystallization of Ethylene/1â€<scp>O</scp>ctene Copolymers. Macromolecular Symposia, 2013, 330, 132-141.	0.4	7

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127	Synthesis of Polyolefins with Combined Singleâ€Site Catalysts. Macromolecular Symposia, 2012, 313-314, 8-18.	0.4	10
128	Polyolefin Microstructural Characterization. , 2012, , 15-52.		2
129	Developing Models for Industrial Reactors. , 2012, , 311-323.		0
130	Evaluating the Effects of Precious Metal Distribution along a Monolith-Supported Catalyst for CO oxidation. Industrial & Engineering Chemistry Research, 2012, 51, 6672-6679.	1.8	10
131	Ethylene Homopolymerization Kinetics with a Constrained Geometry Catalyst in a Solution Reactor. Macromolecules, 2012, 45, 1777-1791.	2.2	31
132	Mathematical Modeling of Temperature Rising Elution Fractionation (TREF) of Polyethylene and Ethylene/1â€Olefin Copolymers. Macromolecular Chemistry and Physics, 2012, 213, 1892-1906.	1.1	13
133	3rd ICPC. Macromolecular Symposia, 2012, 312, ix.	0.4	0
134	Effect of Chain Microstructure and Cooling Rate on Crystaf Calibration Curves: An Experimental Study. Macromolecular Symposia, 2012, 312, 191-196.	0.4	0
135	Monte Carlo Simulation of the Microstructure of Linear Olefin Block Copolymers. Macromolecular Symposia, 2012, 312, 167-173.	0.4	16
136	Crystallization Elution Fractionation of LLDPEs Made with Metallocene Catalysts. Macromolecular Symposia, 2012, 312, 43-50.	0.4	11
137	Effect of Hydrogen, Electron Donor, and Polymerization Temperature on Poly(propylene) Microstructure. Macromolecular Symposia, 2012, 312, 72-80.	0.4	8
138	The Integrated Deconvolution Estimation Model: Effect of Interâ€Laboratory ¹³C NMR Analysis on IDEM Performance. Macromolecular Reaction Engineering, 2012, 6, 189-199.	0.9	6
139	Effect of Hydrogen and External Donor on Propylene Polymerization Kinetics with a 4thâ€Generation Zieglerâ€Natta Catalyst. Macromolecular Reaction Engineering, 2012, 6, 265-274.	0.9	29
140	Supported singleâ€site catalysts for slurry and gasâ€phase olefin polymerisation. Canadian Journal of Chemical Engineering, 2012, 90, 646-671.	0.9	51
141	Production of Ethylene/Î±-Olefin/1,9-Decadiene Copolymers with Complex Microstructures Using a Two-Stage Polymerization Process. Macromolecules, 2011, 44, 7926-7939.	2.2	14
142	Mathematical Modeling of the Microstructure of Poly(propylene) Made with Zieglerâ€Natta Catalysts in the Presence of Electron Donors. Macromolecular Reaction Engineering, 2011, 5, 96-116.	0.9	14
143	Bimodality Criterion for the Chemical Composition Distribution of Ethylene/1â€Olefin Copolymers: Theoretical Development and Experimental Validation. Macromolecular Reaction Engineering, 2011, 5, 198-210.	0.9	11
144	A Polymerization Kinetics Comparison between a Metallocene Catalyst Activated by Tetrakis(pentafluorophenyl) Borate and MAO for the Polymerization of Ethylene in a Semiâ€batch Solution Reactor. Macromolecular Reaction Engineering, 2011, 5, 418-430.	0.9	14

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145	Simultaneous Deconvolution of Molecular Weight and Chemical Composition Distribution of Ethylene/1â€Olefin Copolymers: Strategy Validation and Comparison. Macromolecular Reaction Engineering, 2011, 5, 549-562.	0.9	21
146	The Integrated Deconvolution Estimation Model: Estimation of Reactivity Ratios per Site Type for Ethylene/1â€Butene Copolymers Made with a Heterogeneous Zieglerâ€Natta Catalyst. Macromolecular Reaction Engineering, 2011, 5, 587-598.	0.9	15
147	Cocrystallization of ethylene/1â€octene copolymer blends during crystallization analysis fractionation and crystallization elution fractionation. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 678-684.	2.4	20
148	Synthesis of Ethylene/Acrylonitrile Composite Elastomers with Nanosized Polyacrylonitrile Domains Using Î±â€Dimineâ€[N,N] Nickel Dichloride/EASC. Macromolecular Chemistry and Physics, 2011, 212, 715-722.	1.1	1
149	Polyethylene/Clay Nanocomposites Made with Metallocenes Supported on Different Organoclays. Macromolecular Chemistry and Physics, 2011, 212, 216-228.	1.1	17
150	Ethylene/1â€Hexene Copolymers Produced with MAO/(nBuCp)₂ZrCl₂ Supported on SBAâ€15 Materials with Different Pore Sizes. Macromolecular Chemistry and Physics, 2011, 212, 1590-1599.	1.1	24
151	An Efficient In Situ Polymerization Method for the Production of Polyethylene/Clay Nanocomposites: Effect of Polymerization Conditions on Particle Morphology. Macromolecular Chemistry and Physics, 2011, 212, 2017-2028.	1.1	6
152	Particle Growth During the Polymerisation of Olefins on Supported Catalysts, 1 â€“ Nascent Polymer Structures. Macromolecular Reaction Engineering, 2010, 4, 40-64.	0.9	117
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