Alexander Penlidis

List of Publications by Year
in descending order

299 papers	6,427 citations	87723 38 h-index	133063 59 g-index
308 all docs	308 docs citations	308 times ranked	3291 citing authors

#	Article	IF	Citations
1	An overview of sensors and sensing materials for heavy metals in aqueous environments. Canadian Journal of Chemical Engineering, 2022, 100, 666-679.	0.9	8
2	Performance Evaluation of Nonacosan-10-ol-Based Polyethylene Packaging Material Using Molecular Dynamics Simulations. Polymers, 2022, 14, 1779.	2.0	2
3	Detection of Volatile Organic Compounds by Using MEMS Sensors. Sensors, 2022, 22, 4102.	2.1	9
4	Indium Oxide Doped Polyaniline for Detection of Formaldehyde. Macromolecular Reaction Engineering, 2022, 16, .	0.9	3
5	Design of polymeric materials: Experiences and prescriptions. Canadian Journal of Chemical Engineering, 2021, 99, 5-30.	0.9	6
6	A Review on the Synthesis, Characterization, and Modeling of Polymer Grafting. Processes, 2021, 9, 375.	1.3	33
7	Toward Olefin Multiblock Copolymers with Tailored Properties: A Molecular Perspective. Macromolecular Theory and Simulations, 2021, 30, 2100003.	0.6	3
8	Degradation of glass fiber reinforced polymer (GFRP) bars in concrete environment. Construction and Building Materials, 2021, 293, 123451.	3.2	19
9	Heterogeneous method of chitosan film preparation: Effect of multifunctional acid on film properties. Journal of Applied Polymer Science, 2020, 137, 48648.	1.3	8
10	Finite element implementation of viscoelastic and viscoplastic models. Engineering Computations, 2020, 37, 2561-2585.	0.7	3
11	The Role of Nitroxide Degradation on the Efficiency of the Controller in Nitroxide-Mediated Radical Polymerization (NMP) of Styrene. Industrial & Engineering Chemistry Research, 2020, 59, 17786-17795.	1.8	4
12	Initiator Feeding Policies in Semi-Batch Free Radical Polymerization: A Monte Carlo Study. Processes, 2020, 8, 1291.	1.3	10
13	Evaluation of doped and undoped poly (oâ€anisidine) as sensing materials for a sensor array for volatile organic compounds. Polymers for Advanced Technologies, 2020, 31, 1474-1483.	1.6	3
14	Evaluation of Polymeric Materials for Chemical Enhanced Oil Recovery. Processes, 2020, 8, 361.	1.3	58
15	Straightforward Synthesis and Evaluation of Polymeric Sensing Materials for Acetone Detection. Macromolecular Reaction Engineering, 2020, 14, 2000004.	0.9	6
16	Designing Optimal Terpolymers for Enhanced Oil Recovery (Polymer Flooding). Industrial & Engineering Chemistry Research, 2020, 59, 7426-7437.	1.8	9
17	Making the Most of Parameter Estimation: Terpolymerization Troubleshooting Tips. Processes, 2019, 7, 444.	1.3	5
18	Aqueous Media Electrostatic MEMS Sensors. , 2019, , .		2

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19	Terpolymerization of Triisopropylsilyl Acrylate, Methyl Methacrylate, and Butyl Acrylate: Reactivity Ratio Estimation. Macromolecular Reaction Engineering, 2019, 13, 1900014.	0.9	3
20	The role of pH, ionic strength and monomer concentration on the terpolymerization of 2-acrylamido-2-methylpropane sulfonic acid, acrylamide and acrylic acid. Polymer, 2019, 177, 214-230.	1.8	17
21	Intelligent Machine Learning: Tailor-Making Macromolecules. Polymers, 2019, 11, 579.	2.0	21
22	Viscoelastic Properties of Crosslinked Chitosan Films. Processes, 2019, 7, 157.	1.3	37
23	Modelling permeation passive sampling: intra-particle resistance to mass transfer and comprehensive sensitivity analysis. Environmental Sciences: Processes and Impacts, 2019, 21, 469-484.	1.7	6
24	New Aspects on the Modeling of Dithiolactone-Mediated Radical Polymerization of Vinyl Monomers. Processes, 2019, 7, 842.	1.3	1
25	Operational maps between molecular properties and environmental stress cracking resistance. Journal of Applied Polymer Science, 2019, 136, 47006.	1.3	5
26	Polymerization Data Mining: A Perspective. Advanced Theory and Simulations, 2019, 2, 1800144.	1.3	4
27	Dynamic bifurcation MEMS gas sensors. Journal of Micromechanics and Microengineering, 2019, 29, 015005.	1.5	28
28	Relation between Tensile Strength and Modulus of Rupture for GFRP Reinforcing Bars. Journal of Materials in Civil Engineering, 2019, 31, .	1.3	11
29	Intelligent Monte Carlo: A New Paradigm for Inverse Polymerization Engineering. Macromolecular Theory and Simulations, 2018, 27, 1700106.	0.6	29
30	Heuristic Search Strategy for Transforming Microstructural Patterns to Optimal Copolymerization Recipes. Macromolecular Theory and Simulations, 2018, 27, 1700088.	0.6	12
31	Modeling short- and long-term time-dependent nonlinear behavior of polyethylene. Mechanics of Advanced Materials and Structures, 2018, 25, 600-610.	1.5	11
32	Model Discrimination between RAFT Polymerization Models Using Sequential Bayesian Methodology. Macromolecular Theory and Simulations, 2018, 27, 1800016.	0.6	10
33	Binary vs. ternary reactivity ratios: Appropriate estimation procedures with terpolymerization data. European Polymer Journal, 2018, 105, 442-450.	2.6	19
34	Computational Package for Copolymerization Reactivity Ratio Estimation: Improved Access to the Error-in-Variables-Model. Processes, 2018, 6, 8.	1.3	20
35	Investigation of the Interaction between Benzene and SXFA Using DFT. Processes, 2018, 6, 10.	1.3	3
36	Constitutive Equations and Finite Element Implementation of Isochronous Nonlinear Viscoelastic Behavior. Journal of Engineering Materials and Technology, Transactions of the ASME, 2018, 140, .	0.8	1

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37	â€œOptimulationâ€•in Chemical Reaction Engineering: Oxidative Coupling of Methane as a Case Study. Industrial & Engineering Chemistry Research, 2018, 57, 8664-8678.	1.8	7
38	Evaluating the performance of tailor-made water-soluble copolymers for enhanced oil recovery polymer flooding applications. Fuel, 2017, 203, 269-278.	3.4	41
39	Case studies with mathematical modeling of free-radical multi-component bulk/solution polymerizations: Part 2. Journal of Macromolecular Science - Pure and Applied Chemistry, 2017, 54, 339-371.	1.2	2
40	Designing polymeric sensing materials: what are we doing wrong?. Polymers for Advanced Technologies, 2017, 28, 1206-1206.	1.6	1
41	Visualization of Bivariate Sequence Lengthâ€“Chain Length Distribution in Free Radical Copolymerization. Macromolecular Theory and Simulations, 2017, 26, 1700041.	0.6	18
42	Design of Tailorâ€Made Waterâ€Soluble Copolymers for Enhanced Oil Recovery Polymer Flooding Applications. Macromolecular Reaction Engineering, 2017, 11, .	0.9	10
43	Designing polymeric sensing materials: what are we doing wrong?. Polymers for Advanced Technologies, 2017, 28, 319-344.	1.6	10
44	AMPS/AAm/AAc Terpolymerization: Experimental Verification of the EVM Framework for Ternary Reactivity Ratio Estimation. Processes, 2017, 5, 9.	1.3	14
45	Copolymerization. , 2017, , .		4
46	Surrogate Models for Online Monitoring and Process Troubleshooting of NBR Emulsion Copolymerization. Processes, 2016, 4, 6.	1.3	2
47	Determination of reactivity ratios for the copolymerization of poly(acrylic acidâ€coâ€itaconic) Tj ETQq1 1 0.784314 rgBT /Ove	1.3	10
48	An Overview of the Potential of UV Modification of Polypropylene. Macromolecular Symposia, 2016, 360, 96-107.	0.4	7
49	Sensor Array for Volatile Organic Compounds Based on Doped Poly (2,5â€dimethyl aniline). Macromolecular Symposia, 2016, 370, 120-127.	0.4	3
50	Evaluation of polymeric nanocomposites for the detection of toxic gas analytes. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 610-618.	1.2	6
51	Designing Polymeric Sensing Materials for Analyte Detection and Related Mechanisms. Macromolecular Symposia, 2016, 360, 123-132.	0.4	9
52	Modeling Material Behavior of Polymers. Advanced Structured Materials, 2016, , 321-352.	0.3	1
53	Shear Viscosity of Poly (Acrylamide/Acrylic Acid) Solutions. Macromolecular Symposia, 2016, 360, 179-184.	0.4	7
54	Molecular Architecture Manipulation in Free Radical Copolymerization: An Advanced Monte Carlo Approach to Screening Copolymer Chains with Various Comonomer Sequence Arrangements. Macromolecular Theory and Simulations, 2016, 25, 369-382.	0.6	14

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55	Dâ€Optimality in Modelâ€Based Experimental Designs: Applications in NMRP of Styrene. Macromolecular Reaction Engineering, 2015, 9, 205-227.	0.9	4
56	Continuous modification of polypropylene via photoinitiation. Polymer Engineering and Science, 2015, 55, 2423-2432.	1.5	5
57	Effect of Monomer Concentration and pH on Reaction Kinetics and Copolymer Microstructure of Acrylamide/Acrylic Acid Copolymer. Macromolecular Reaction Engineering, 2015, 9, 100-113.	0.9	29
58	Doped poly (2,5â€dimethyl aniline) for the detection of ethanol. Journal of Applied Polymer Science, 2015, 132, .	1.3	11
59	Design of Optimal Experiments for Terpolymerization Reactivity Ratio Estimation. Macromolecular Reaction Engineering, 2015, 9, 228-244.	0.9	9
60	Optimal Design for Reactivity Ratio Estimation: A Comparison of Techniques for AMPS/Acrylamide and AMPS/Acrylic Acid Copolymerizations. Processes, 2015, 3, 749-768.	1.3	19
61	Wearable RF Sensor Array Implementing Coupling-Matrix Readout Extraction Technique. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4157-4168.	2.9	11
62	Bayesian Design of Experiments Applied to a Complex Polymerization System: Nitrile Butadiene Rubber Production in a Train of CSTRs. Macromolecular Theory and Simulations, 2015, 24, 13-27.	0.6	9
63	Novel undercoupled radio-frequency (RF) resonant sensor for gaseous ethanol and interferents detection. Sensors and Actuators A: Physical, 2015, 230, 63-73.	2.0	31
64	Case Studies With Mathematical Modeling of Free-Radical Multi-Component Bulk/Solution Polymerizations: Part 1. Journal of Macromolecular Science - Pure and Applied Chemistry, 2015, 52, 659-698.	1.2	5
65	Preparation and Characterization of Long Chain Branched Polypropylene through UV Irradiation and Coagent Use. Polymer-Plastics Technology and Engineering, 2015, 54, 1425-1438.	1.9	7
66	Rheological Indicators for Environmental Stress Cracking Resistance of Polyethylene. International Polymer Processing, 2015, 30, 70-81.	0.3	5
67	Binary MEMS gas sensors. Journal of Micromechanics and Microengineering, 2014, 24, 065007.	1.5	30
68	Branched and Crosslinked Polymers Synthesized through NMRP: Quantitative Indicators for Network Homogeneity?. Macromolecular Reaction Engineering, 2014, 8, 639-657.	0.9	14
69	Modeling of Network Formation in the Atom Transfer Radical Coâ€Polymerization (ATRP) of Vinyl/Divinyl Monomers Using a Multifunctional Polymer Molecule Approach. Macromolecular Theory and Simulations, 2014, 23, 429-441.	0.6	10
70	Radiation Induced Long Chain Branching in Highâ€Density Polyethylene through a Reactive Extrusion Process. Macromolecular Reaction Engineering, 2014, 8, 100-111.	0.9	11
71	Effect of ionic strength on the reactivity ratios of acrylamide/acrylic acid (sodium acrylate) copolymerization. Journal of Applied Polymer Science, 2014, 131, .	1.3	31
72	Effect of Molecular Structure on the Short-Term and Long-Term Mechanical Behavior of High-Density Polyethylene. Journal of Materials in Civil Engineering, 2014, 26, 795-802.	1.3	12

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73	Demystifying the estimation of reactivity ratios for terpolymerization systems. AICHE Journal, 2014, 60, 1752-1766.	1.8	16
74	Crosslinking nitroxide-mediated radical copolymerization of styrene with divinylbenzene. European Polymer Journal, 2014, 51, 87-111.	2.6	34
75	The effect of depth and duration of UV radiation on polypropylene modification via photoinitiation. Journal of Applied Polymer Science, 2014, 131, .	1.3	11
76	Reactivity Ratio Estimation in Radical Copolymerization: From Preliminary Estimates to Optimal Design of Experiments. Industrial & Engineering Chemistry Research, 2014, 53, 7305-7312.	1.8	13
77	Modeling of Network Formation in Reversible Additionâ€Fragmentation Transfer (RAFT) Copolymerization of Vinyl/Divinyl Monomers Using a Multifunctional Polymer Molecule Approach. Macromolecular Theory and Simulations, 2014, 23, 147-169.	0.6	33
78	Effects of processing variables on polypropylene degradation and long chain branching with UV irradiation. Polymer Degradation and Stability, 2014, 104, 1-10.	2.7	26
79	Role of contact electrification and electrostatic interactions in gecko adhesion. Journal of the Royal Society Interface, 2014, 11, 20140371.	1.5	72
80	Mechanical properties of ETFE foils: Testing and modelling. Construction and Building Materials, 2014, 60, 63-72.	3.2	45
81	Effect of Temperature on Environmental Stress Cracking Resistance and Crystal Structure of Polyethylene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 189-202.	1.2	14
82	Improved operating scenarios for the production of acrylonitrileâ€butadiene emulsions. Polymer Engineering and Science, 2013, 53, 9-20.	1.5	8
83	Design of Experiments for Reactivity Ratio Estimation in Multicomponent Polymerizations Using the Errorâ€<scp>I</scp>nâ€<scp>V</scp>ariables Approach. Macromolecular Theory and Simulations, 2013, 22, 261-272.	0.6	16
84	Polymeric Bioâ€<scp>I</scp>nspired Dry Adhesives: Van der Waals or Electrostatic Interactions?. Macromolecular Reaction Engineering, 2013, 7, 588-608.	0.9	26
85	Enhanced adhesion and friction by electrostatic interactions of double-level Teflon nanopillars. Soft Matter, 2013, 9, 1985-1996.	1.2	25
86	Crossâ€Linking Nitroxideâ€Mediated Radical Copolymerization from a Bayesian Experimental Design Angle. Macromolecular Symposia, 2013, 324, 19-32.	0.4	11
87	A powerful estimation scheme with the error-in-variables-model for nonlinear cases: Reactivity ratio estimation examples. Computers and Chemical Engineering, 2013, 48, 200-208.	2.0	27
88	Instabilities of Teflon AF thin films in alumina nanochannels and adhesion of bi-level Teflon AF nanopillars. Nanotechnology, 2013, 24, 505306.	1.3	5
89	Optimal estimation of reactivity ratios for acrylamide/acrylic acid copolymerization. Journal of Polymer Science Part A, 2013, 51, 4819-4827.	2.5	26
90	Nitrile Rubber Reactor Operation Troubleshooting with Principal Component Analysis. Journal of Macromolecular Science - Pure and Applied Chemistry, 2013, 50, 803-811.	1.2	5

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91	Novel Test System for Gas Sensing Materials and Sensors. Macromolecular Symposia, 2013, 324, 11-18.	0.4	16
92	Macromol. React. Eng. 11/2013. Macromolecular Reaction Engineering, 2013, 7, 662-662.	0.9	0
93	Science and Technology of Bioâ€‹<scp>I</scp>nspired Adhesives. Macromolecular Reaction Engineering, 2013, 7, 570-572.	0.9	1
94	Recent Advances in Synthesis and Characterization of Adhesives. Macromolecular Reaction Engineering, 2013, 7, 482-483.	0.9	1
95	Synthesis and Morphology of poly(N-isopropylacrylamide) Nanocomposites with Emulsion Templated Nanoporous Structure. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 906-909.	1.2	6
96	Doped Polyaniline for the Detection of Formaldehyde. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 1-6.	1.2	26
97	Numerical implementation of a damageâ€coupled material law for semicrystalline polyethylene. Engineering Computations, 2012, 29, 295-320.	0.7	3
98	Improvement of Hardening Stiffness Test as an Indicator of Environmental Stress Cracking Resistance of Polyethylene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 689-698.	1.2	7
99	Teflon hierarchical nanopillars with dry and wet adhesive properties. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 846-851.	2.4	26
100	Modeling of Network Formation in Nitroxideâ€Mediated Radical Copolymerization of Vinyl/Divinyl Monomers Using a Multifunctional Polymer Molecule Approach. Macromolecular Theory and Simulations, 2012, 21, 302-321.	0.6	36
101	Routes to carboxylic acid functional acrylonitrile copolymers via Nâ€tertâ€butylâ€Nâ€(1â€diethylphosphonoâ€2,2â€dimethylpropyl) free nitroxide based nitroxideâ€mediated polymerization. Journal of Applied Polymer Science, 2012, 125, 3963-3976.	1.3	6
102	Ultrasonic properties and morphology of devulcanized rubber blends. Journal of Applied Polymer Science, 2012, 124, 2062-2070.	1.3	7
103	Reactivity Ratio Estimation from Cumulative Copolymer Composition Data. Macromolecular Reaction Engineering, 2011, 5, 385-403.	0.9	61
104	Influence of micromolecular structure on environmental stress cracking resistance of high density polyethylene. Tunnelling and Underground Space Technology, 2011, 26, 582-593.	3.0	47
105	An alternative approach to estimating parameters in creep models of highâ€density polyethylene. Polymer Engineering and Science, 2011, 51, 1227-1235.	1.5	11
106	Modeling uses and analysis of production scenarios for acrylonitrileâ€butadiene (NBR) emulsions. Polymer Engineering and Science, 2011, 51, 1909-1918.	1.5	8
107	Diagnostic Checks and Measures of Information in the Bayesian Design of Experiments with Complex Polymerizations. Macromolecular Symposia, 2011, 302, 90-99.	0.4	7
108	Modeling Insights on the TEMPO Mediated Radical Polymerization of Styrene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 681-687.	1.2	7

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109	Optimal Bayesian Design of Experiments Applied to Nitroxideâ€Mediated Radical Polymerization. Macromolecular Reaction Engineering, 2010, 4, 387-402.	0.9	12
110	Nitroxide-mediated radical copolymerization of styrene and divinylbenzene: increased polymerization rate by using TBEC as initiator. Journal of Materials Science, 2010, 45, 1878-1884.	1.7	15
111	Effect of initiator type and concentration on polymerization rate and molecular weight in the bimolecular nitroxideâ€mediated radical polymerization of styrene. Advances in Polymer Technology, 2010, 29, 11-19.	0.8	17
112	A Sequential Iterative Scheme for Design of Experiments in Complex Polymerizations. Chemical Engineering and Technology, 2010, 33, 1814-1824.	0.9	9
113	Investigations on Azeotropy in Multicomponent Polymerizations. Chemical Engineering and Technology, 2010, 33, 1841-1849.	0.9	1
114	Simulation of Polymerization Kinetics and Molecular Weight Development in the Microwave-Activated Emulsion Polymerization of Styrene using EMULPOLYÂ®. Chemical Engineering and Technology, 2010, 33, 1888-1892.	0.9	6
115	Kinetics of Nitroxide Mediated Radical Polymerization of Styrene with Unimolecular Initiators. Macromolecular Symposia, 2010, 289, 95-107.	0.4	8
116	Constitutive Modeling of Damage Evolution in Semicrystalline Polyethylene. Journal of Engineering Materials and Technology, Transactions of the ASME, 2010, 132, .	0.8	9
117	Chain Entanglements and Mechanical Behavior of High Density Polyethylene. Journal of Engineering Materials and Technology, Transactions of the ASME, 2010, 132, .	0.8	20
118	Mathematical Modeling of Acrylonitrile-Butadiene Emulsion Copolymerization: Model Development and Validation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 747-769.	1.2	18
119	Kinetic Aspects of Styrene Polymerization with an Acyloxyamine. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 496-502.	1.2	0
120	Polymer Reaction Engineering VII (Niagara Falls, Ontario, Canada, May 3â€“8, 2009). Macromolecular Chemistry and Physics, 2009, 210, 1346-1348.	1.1	0
121	Peroxideâ€controlled degradation of polypropylene using a tetraâ€functional initiator. Polymer Engineering and Science, 2009, 49, 1760-1766.	1.5	20
122	Thermal polymerization of styrene in the presence of TEMPO. Chemical Engineering Science, 2009, 64, 304-312.	1.9	20
123	Modeling of the Nitroxideâ€Mediated Radical Copolymerization of Styrene and Divinylbenzene. Macromolecular Reaction Engineering, 2009, 3, 288-311.	0.9	44
124	A Critical Overview of Sensors for Monitoring Polymerizations. Macromolecular Reaction Engineering, 2009, 3, 327-373.	0.9	70
125	Macromol. React. Eng. 7/2009. Macromolecular Reaction Engineering, 2009, 3, NA-NA.	0.9	2
126	Polymer Network Mobility and Environmental Stress Cracking Resistance of High Density Polyethylene. Polymer-Plastics Technology and Engineering, 2009, 48, 1252-1261.	1.9	14

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127	Phase Interconnectivity and Environmental Stress Cracking Resistance of Polyethylene: A Crystalline Phase Investigation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 572-583.	1.2	18
128	A practical approach to modeling timeâ€dependent nonlinear creep behavior of polyethylene for structural applications. Polymer Engineering and Science, 2008, 48, 159-167.	1.5	32
129	Simulation of RAFT Dispersion Polymerization in Supercritical Carbon Dioxide. Macromolecular Theory and Simulations, 2008, 17, 280-289.	0.6	19
130	A replicated investigation of nitroxideâ€mediated radical polymerization of styrene over a range of reaction conditions. Canadian Journal of Chemical Engineering, 2008, 86, 879-892.	0.9	19
131	Effect of the addition of inert or TEMPOâ€capped prepolymer on polymerization rate and molecular weight development in the nitroxideâ€mediated radical polymerization of styrene. Journal of Applied Polymer Science, 2008, 109, 3665-3678.	1.3	23
132	A Tensile Strain Hardening Test Indicator of Environmental Stress Cracking Resistance. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 599-611.	1.2	30
133	Copolymer Composition Control Policies: Characteristics and Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 115-132.	1.2	18
134	Hydrosilylation of Impact Polypropylene Co-polymer in a Twin-screw Extruder. Journal of Elastomers and Plastics, 2008, 40, 365-380.	0.7	6
135	Estimating Reactivity Ratios From Triad Fraction Data. Macromolecular Symposia, 2008, 271, 48-63.	0.4	11
136	Computational study on a damageâ€coupled model for crystalline polyethylene. Engineering Computations, 2008, 25, 612-636.	0.7	4
137	Assessing the Importance of Diffusionâ€Controlled Effects on Polymerization Rate and Molecular Weight Development in Nitroxideâ€Mediated Radical Polymerization of Styrene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 193-203.	1.2	25
138	Modeling of the Homogeneous Freeâ€Radical Copolymerization Kinetics of Fluoromonomers in Carbon Dioxide at Supercritical Conditions. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 205-213.	1.2	9
139	Another Perspective on the Nitroxide Mediated Radical Polymerization (NMRP) of Styrene Using 2,2,6,6â€Tetramethylâ€1â€piperidinyloxy (TEMPO) and Dibenzoyl Peroxide (BPO). Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 337-349.	1.2	22
140	NMR analysis of butyl acrylate/methylmethacrylate/Î±-methyl styrene terpolymers. Journal of Applied Polymer Science, 2007, 103, 2093-2098.	1.3	6
141	Characterization by dilute solution and rheological methods of polystyrene and poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2007, 103, 1340-1355.	1.3	12
142	Simulation of Styrene Polymerization by Monomolecular and Bimolecular Nitroxide-Mediated Radical Processes over a Range of Reaction Conditions. Macromolecular Theory and Simulations, 2007, 16, 194-208.	0.6	41
143	Nitroxide-mediated radical polymerization of styrene using mono- and di-functional initiators. Chemical Engineering Science, 2007, 62, 5240-5244.	1.9	11
144	Micromechanical approach to modeling damage in crystalline polyethylene. Polymer Engineering and Science, 2007, 47, 410-420.	1.5	13

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145	Effect of a poly(dimethylsiloxane) modified polyolefin additive on the processing and surface properties of LLDPE. Polymer Engineering and Science, 2007, 47, 1309-1316.	1.5	12
146	Nitroxideâ€mediated controlled degradation of polypropylene. Polymer Engineering and Science, 2007, 47, 2118-2123.	1.5	14
147	Recent Advances in the Study of Multifunctional Initiators in Free Radical Polymerizations. Macromolecular Reaction Engineering, 2007, 1, 209-221.	0.9	9
148	Layer-by-layer self-assembled polyelectrolyte membranes for solvent dehydration by pervaporation. Materials Science and Engineering C, 2007, 27, 612-619.	3.8	39
149	Bulk Copolymerization of Styrene and Methyl Methacrylate at Elevated Temperatures. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 871-878.	1.2	0
150	Controlled Freeâ€Radical Copolymerization Kinetics of Styrene and Divinylbenzene by Bimolecular NMRP using TEMPO and Dibenzoyl Peroxide. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 995-1011.	1.2	27
151	A Comparison of Reaction Mechanisms for Reversible Additionâ€Fragmentation Chain Transfer Polymerization Using Modeling Tools. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 1293-1322.	1.2	36
152	High-Temperature Bulk Copolymerization of Methyl Methacrylate and Acrylonitrile: III. Thermal Polymerization. Polymer-Plastics Technology and Engineering, 2006, 45, 653-658.	1.9	0
153	Modelling of free radical polymerization of styrene and methyl methacrylate by a tetrafunctional initiator. Chemical Engineering Science, 2006, 61, 4827-4859.	1.9	24
154	Terpolymerization with depropagation: Modelling the copolymer composition of the methyl methacrylate/alpha-methylstyrene/butyl acrylate system. Chemical Engineering Science, 2006, 61, 7774-7785.	1.9	13
155	Self-assembled nano-structured polyelectrolyte composite membranes for pervaporation. Materials Science and Engineering C, 2006, 26, 1-8.	3.8	50
156	Studies on copolymers of 3-methacryloyloxystyryl-4â€²-methylphenyl ketone and methyl methacrylate. Reactive and Functional Polymers, 2006, 66, 1215-1226.	2.0	5
157	Experimental Study of a Tetrafunctional Peroxide Initiator: Bulk Free Radical Polymerization of Butyl Acrylate and Vinyl Acetate. Polymer Bulletin, 2006, 57, 157-167.	1.7	8
158	High temperature bulk copolymerization of methyl methacrylate and acrylonitrile. I. Reactivity ratio estimation. Journal of Applied Polymer Science, 2006, 100, 843-851.	1.3	12
159	Grafting of ethyleneâ€“ethyl acrylateâ€“maleic anhydride terpolymer with amino-terminated polydimethylsiloxane during reactive processing. Journal of Applied Polymer Science, 2006, 101, 4230-4237.	1.3	8
160	Determination of the relative importance of process factors on particle size distribution in suspension polymerization using a Bayesian experimental design technique. Journal of Applied Polymer Science, 2006, 102, 5577-5586.	1.3	12
161	High Temperature Bulk Copolymerization of Methyl Methacrylate and Acrylonitrile: II. Full Conversion Range Experiments. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 23-37.	1.2	4
162	Homopolymer of 4-benzoylphenyl methacrylate and its copolymers with glycidyl methacrylate: synthesis, characterization, monomer reactivity ratios and application as adhesives. Reactive and Functional Polymers, 2005, 62, 11-24.	2.0	50

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163	Studies on photocrosslinkable copolymers of 4-methacryloyloxyphenyl-3â€²,4â€²-dimethoxystyryl ketone and methyl methacrylate. European Polymer Journal, 2005, 41, 831-841.	2.6	14
164	Binary copolymerization with full depropagation: A study of methyl methacrylate/Î±-methyl styrene copolymerization. Journal of Polymer Science Part A, 2005, 43, 3868-3877.	2.5	11
165	Ethyl Acrylateâ€Hydroxyethyl Acrylate and Hydroxyethyl Acrylateâ€Methacrylic Acid: Reactivity Ratio Estimation from Crossâ€linked Polymer Using High Resolution Magic Angle Spinning Spectroscopy. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1369-1385.	1.2	12
166	Copolymerization of 4â€Propanoylphenyl Acrylate with Methyl Methacrylate: Synthesis, Characterization and Reactivity Ratios. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 877-890.	1.2	1
167	Styrene/Methacrylic Acid Monomer Reactivity Ratio Estimation in Bulk and Solution at High Temperatures. Polymer-Plastics Technology and Engineering, 2005, 44, 771-782.	1.9	4
168	Copolymerization of Benzoylphenyl Methacrylate with Methyl Methacrylate: Synthesis, Characterization and Determination of Monomer Reactivity Ratios. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 555-569.	1.2	3
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