

Polymer Reaction Engineering VI: Poster Session I

Controlled Radical Polymerization: Reactions and Modeling

1. An Experimental Study On The Standard And Tempo-Controlled Free-Radical Copolymerization Kinetics Of Styrene And Divinylbenzene
Vivaldo-Lima, Eduardo
2. Investigation Of Living Radical Polymerization Using A Continuous Process
Müller, Matthias
3. Application Of Tempo Containing Macroinitiator To Living Radical Graft Polymerization Of Styrene To Sbr (Styrene Butadiene Rubber)
Namazi, H.
4. Raft Miniemulsion Polymerization In Tubular Reactors: Effect Of Residence Time Distribution On Polymer Structure
Schork, F. Joseph
5. Reverse Atom Transfer Radical Polymerization Of Butyl Methacrylate In Miniemulsion Stabilized With A Cationic Surfactant
Cunningham, Michael
6. Miniemulsion Polymerization. Influence Of The Emulsification Process
Ricard, Alain
7. The Role Of Chain Length Dependent Diffusion Limitations In Raft Polymerization
Morbidelli, Massimo
8. Mechanistic Modeling Of Nitroxide-Mediated Controlled Radical Polymerization
Cho, Andrew S.
9. Dynamic Monte Carlo Simulation Of Atom-Transfer Radical Polymerization
Al-Harhi, Mamdouh
10. Dynamic Monte Carlo Simulation Of Graft Copolymers Made With Atrp And Metallocene Catalysts
Al-Harhi, Mamdouh
11. Engineering Atom Transfer Radical Polymerization
Faucher, Santiago

12. Effect Of Different Initiators (Tbec And Bpo) In The Nitroxide Mediated Controlled Radical Polymerization (Nmrp)
Gonçalves, M.C
13. Modeling Of Controlled/Living Free Radical Polymerization (Nmrp) Of Styrene In The Presence Of Nitroxyl Radicals
Lona, Liliane Maria Ferrareso
14. Inverse Modeling Of Emulsion Copolymerization Of Styrene And Methyl Methacrylate
Lona, Liliane Maria Ferrareso

Specialized Topics in Polymer Reaction Engineering

15. Experimental Investigation Of Free Radical Polymerization Using Mono- And Bi-Functional Initiators
Franco, Cilene Meinberg
16. Ultraviolet Induced Cross-Linking Of The Fuctionalized Poly Vinyl Alcohol
Nizelskii, Yurii
17. In Situ Formed Nanostructures In Organic Polymer Containing Coordination Metal Compounds
Kozak, N.V.
18. Modeling Particle Growth Of Polyethylene -Clay Nanocomposites Prepared By In-Situ Polymerization
Maneshi, Abolfazl
19. Polyurethane Synthesis By Reactive Extrusion: Experiments And Modeling
Puaux, Jean-Pierre
20. Sulfur Vulcanization Of Various Br/Nr Blends With Tbbs And Tbsi Accelerators: Heat Transfer, Kinetics And Rheology
Likozar, B.
21. Co-Current Spray Polymerization
Biedasek, Silke
22. Detection Of Transition Temperatures Leading To Agglomerate Formation In Fluidized Bed Polymerization Reactors
Bellehumeur, Celine

23. High-throughput Experimentation: A Valuable Tool for the Development and Optimization of Novel Polymerization Processes
Schubert, Ulrich S.
24. Online Monitoring of Novel Polymer Synthesis Strategies
Reed, Wayne F.
25. Carp: Carbon Accelerated Radical Polymerization -- Free Radical Polymerization On Carbon Nanoparticles
Teymour, Fouad

Modeling and Kinetics

26. Model-Based Construction Of Branched Polymer Mwd From Triple Detector Gpc Signals
Teymour, Fouad
27. Branching Architectures Of Polymers From Radical Polymerizations With Transfer To Polymer
Iedema, Piet D.
28. Evolution Of The Molecular Weight Distribution During Transesterification And Melt Polycondensation Of Poly(Ethylene Terephthalate) (Pet) – Model And Experimental Study
Pinto, José Carlos Costa da Silva
29. A Comprehensive Emulsion Polymerisation Model For Particle Size Distribution And Molecular Weight Distribution Based On Population Balances
Immanuel, C. D.
30. Simulation Of The Mwd Of Polystyrene Made In Batch Reactors With Mono- And Bifunctional Free-Radical Initiators: A Comparison Of Different Modeling Strategies
Maafa, Ibrahim M.
31. Free Radical Copolymerization With Depropagation And Penultimate Kinetics: Modeling And Experimental Studies
Li, Deheng
32. Investigation Of Catalytic Chain Transfer Copolymerization Of Methyl And Butyl Methacrylates
Nikitin, Anatoly

33. The Combined Use Of Laguerre Transforms And Numerical Evaluation Of Generating Functions For Computing Polymer Chain Length Distributions
Costa, Mário Rui P F N
34. Simultaneous Data Reconciliation And Parameter Estimation In Bulk Polypropylene Polymerizations In Real Time
Pinto, José Carlos Costa da Silva
35. Monte Carlo Simulation Of Ethylene Copolymers: A Look Into The Monomer Sequence Distribution
Al-Saleh, Mohammad A.
36. Estimation Of Morphology Characteristics Of Porous Polyolefin Particles From Degassing Measurements
Kosek, Juraj
37. Modeling of a pilot-scale polyethylene fluidized bed reactor using CFD
Fan, Rong
38. Investigation Of The Foaming Of Expandable Polystyrene And Its Transport Properties
Kosek, Juraj
39. Commercial Applications Of A Dynamic Model For The Production Of Styrene/Maleic Anhydride Copolymers
Farag, Hany
40. Estimation Of Free Radical Polymerization Rate Coefficients Using Computational Chemistry
Bebe, Siziwe