CURRICULUM VITAE

Dr. Michael F. Cunningham, P.Eng., Professor
Department of Chemical Engineering (Cross-appointment with Department of Chemistry)
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Research Interests

- Design of aqueous polymer dispersions to replace solvent-based polymer systems
- Design and synthesis of CO_2-responsive polymers (stimuli-responsive polymers with green triggers)
- Graft modification of natural polymers (cellulose nanocrystals, chitosan, alginate) to promote replacement of fossil fuel based materials

Education

Ph.D. Chemical Engineering, University of Waterloo, 1990
M.Sc. Chemical Engineering, Queen's University, 1987
B.Sc. Engineering Chemistry with First Class Honours, Queen's University, 1985
(Graduated 1st in Engineering Chemistry)

Awards

- Canadian Green Chemistry and Engineering Award, 2018.
- Fellow of the Chemical Institute of Canada, 2016.
- Ontario Research Chair in Green Chemistry and Engineering, 2010 – 2015. ($1.25 M CDN over 5years)
- Syncrude Canada Innovation Award, 2002. Presented by Canadian Society for Chemical Engineering (CSChE) (awarded to a resident of Canada who has made a distinguished contribution in the field of Chemical Engineering and is under 40 years)
- Premier's Research Excellence Award, 2001. ($100,000, awarded by the Premier of Ontario)
- Chancellor's Award for Research Excellence, Queen's University, 2002. ($50,000)
- Golden Apple Teaching Award, 1999.

Industrial Courses Taught

- Scaleup of Emulsion Polymerization Processes EPCEd (2012 – 2018)
- Characterization of Synthetic Latexes, EPCEd (2015 – 2018)
- Advances in Emulsion Polymerization & Latex Technology, Davos, Switzerland (2004 – 2017)
- Advances in Emulsion Polymerization & Latex Technology, Lehigh University, USA (2002 – 2017)

Industrial Research Experience

1990 - 1996: Xerox Research Centre of Canada (Mississauga, Ontario, Canada)

Cunningham designed polymer nanoparticle powder coatings to replace organic solvent-based coatings for the steel carrier beads used in toner. He is co-inventor of a novel polymeric composite product, and led the development of the polymerization process used to manufacture this product. As project leader, he was responsible for the bench and pilot scale development of this composite polymeric material, which has been implemented in Xerox products, leading to significant reduction in the use of organic solvents in the toner manufacturing process. This technology established a new worldwide benchmark for materials of its type. He supervised the scaleup of the process for delivery to the Xerox Development and Manufacturing organization. My work is this area resulted in 26 U.S. patents.

Professional Service

- Chair, Engineering Conferences International (Polymer Reaction Engineering) Steering Committee (2015 – current)
- Member of Editorial Board, *Green Materials* (2013 – current)
- Chair of IPCG (International Polymer Colloids Group) (2009 – current)
- Member of Editorial Board, *Macromolecular Reaction Engineering* (2006 – current)
- Invited Speaker, Ontario Research Chairs Symposium, Toronto (2015)

- Invited Speaker, "Research Matters" Symposium, Toronto (2015)
- Ontario and Canada Research Chairs Panels, Sustainable Economies (2015)
- Ontario Toxic Reductions Program Planners' Workshop (2014)
- COU Sustainability Symposium on Green Chemistry (2013)
- Member of Organizing Committee for Sustainable Chemistry Summit, Montreal, Canada (2013)
- Member of Editorial Board, *Macromolecules* (October 2007 – 2012).
- Ministry of the Environment, Green Chemistry Symposium (2012)
- Member of Organizing Committee for Sustainable Chemistry Summit, Kingston, Canada (2011) (Sponsored by MOE)
- Reviewed Safer Alternatives Legislation for Ontario Ministry of the Environment (2010)
- CSChE (Canadian Society for Chemical Engineering) Board of Directors (2006 – 2009)
- Chemical Institute of Canada Division Executive Member, MSED (1999 – 2006)

Conference Organization

- Symposium Organizer: Pacifichem (Sustainable Polymerization Processes), Hawaii, USA (December 2015)
- Member of Organizing Committee: Nano-Ontario Conference, Kingston, Canada (November 2013)
- Member of Organizing Committee & Session Chair: Engineering Foundation Conference on Polymer Reaction Engineering (Sustainable Polymer Reaction Engineering), Cancun, Mexico (May 2012)
- Member of Organizing Committee & Session Moderator: Sustainability Summit, Kingston, Canada (September 2011)
- Chair: International Polymer Colloid Group Conference, New Hampshire, USA (June 2011)
- Symposium Co-Organizer: Pacifichem (Controlled Radical Polymerization in Dispersed Systems), Hawaii, USA (December 2010)
- Symposium Co-Organizer: Canadian Society for Chemistry Conference (Green Engineering), Toronto, Canada (June 2010)
- Co-Chair: International Polymer Colloids Group Conference, Tuscany, Italy (July 2009)
- Co-Organizer: Symposium on Emulsion Polymerization for the American Chemical Society Meeting, Philadelphia (August 2008)
- International Advisory Committee Member for numerous major international conferences, including:
    - Hanhzhou International Polymer Forum, Hangzhou, China (May 2017)
    - International Polymer Colloids Group Meeting, Bilbao, Spain (June 2017)
    - World Chemical Engineering Congress, Barcelona, Spain (October 2017)
    - 4th MacroMex Symposium:Advances in Polymer Science, Los Cabos, Mexico (December 2017)
    - International Workshop on Polymer Reaction Engineering, Hamburg, Germany (May 2016)
    - International Polymer Colloids Group Meeting, New Hampshire, USA (June 2015)
    - Engineering Foundation Conference on Polymer Reaction Engineering, Mexico (May 2015)
    - International Conference on Polymer Colloids, Prague (July 2014)
    - Hangzhou International Polymer Forum, Hangzhou, China (May 2014)
    - Sustainability Summit, Montreal (June 2013)
    - International Polymer Colloids Group Meeting, Shanghai, China (June 2013)
    - International Workshop on Polymer Reaction Engineering, Hamburg, Germany (May 2013)
    - International Conference on Polymers in Dispersed Media, Lyon, France (April 2012)
    - 2nd MacroMex Symposium: Advances in Polymer Science, Cancun, Mexico (December 2011)
    - International Workshop on Polymer Reaction Engineering, Hamburg, Germany (October 2010)
    - 7th Engineering Foundation Meeting on Polymer Reaction Engineering, Canada (May 2009)
    - International Symposium on Advanced Particles, Yokohama, Japan (April 2009)
    - International Symposium on Polymer Colloids, Prague, Czech Republic (July 2008)
    - International Workshop on Polymer Reaction Engineering, Hamburg, Germany (October 2007)

Research Collaborations:

Prof. Cunningham has had several international collaborations and visitors to his laboratory from the Netherlands, Germany, Brazil, Argentina and Japan. Collaborators include: Kyoto University (Japan),

CNRS/University of Lyon I (France), Montpellier University (France), Swiss Federal Institute of Technology, Max Planck Institute for Colloids and Surfaces (Germany), Technical University of Eindhoven (Netherlands), Federal University of Rio de Janeiro (Brazil), BASF USA, BASF Germany, Ecosynthetix (Canada), FPInnovations (Canada), Woodbridge Foam (Canada), Xerox Research Centre of Canada, University of Toronto, Arkema Group USA, Asahi-Kasei Chemical (Japan), Toagosei Chemical (Japan).

Professional Memberships

- Professional Engineers of Ontario, Chemical Institute of Canada, Canadian Society for Chemical Engineering, American Chemical Society

Plenary, Keynote, and Invited Lectures at Conferences and Public Events (2001-2018)

- 14th International Symposium on Bioplastics, Biocomposites, and Biorefining, Guelph, Canada (July 2018) **[Keynote]**
- Symposium in Honor of Mohamed El-Aasser Symp, Bethlehem, PA, USA (June 2018)
- Canadian Paints and Coatings Conference, Toronto, Canada (May 2018) **[Keynote]**
- Polymer Reaction Engineering X, Punta Cana, Dominican Republic (May 2018) **[Keynote]**
- 4th MacroMex Symposium: Advances in Polymer Science, Los Cabos, Mexico (December 2017)
- Frontiers in Green Materials Conference, London, UK (December 2017)
- World Congress of Chemical Engineering, Barcelona, Spain (October 2017) **[Keynote]**
- Canadian Chemical Engineering Conference, Edmonton, Canada (October 2017)
- American Chemical Society 8th Symposium on "Controlled/Living Radical Polymerization, Washington DC, USA (August 2017)
- Hangzhou International Polymer Forum, Hangzhou, China (May 2017) **[Plenary]**
- 1st Canadian Nitroxide Mediated Polymerization Symposium, Ottawa (February 2017) **[Keynote]**
- AIChE Annual Meeting, San Francisco, CA, USA (November 2016) **[Plenary]**
- Canadian Chemical Engineering Conference, Quebec City, Canada (October 2016)
- 12th International Workshop on Polymer Reaction Engineering, Hamburg, Germany (May 2016) **[Keynote]**
- 14th International Symposium on Bioplastics, Biocomposites and Biorefining, Guelph, Canada (May 2016) **[Keynote]**
- International Chemical Congress of the Pacific Basin Societies, Honolulu, Hawaii (December 2015)
- Pacific Polymer Conference 14, Kauai, Hawaii (December 2015)
- Canadian Chemical Engineering (CSChE) Annual Conference, Calgary, Canada (October 2015)
- 4th Symposium of Applied Chemical and Biochemical Engineering, Saltillo, Coahuila, México (October 2015) **[Plenary]**
- International Polymer Colloids Group Conference, New Hampshire, USA (June 2015) **[Plenary]**
- Canadian Society for Chemistry Annual Conference, Ottawa, Canada (June 2015)
- Polymer Reaction Engineering Conference, Cancun, Mexico (May 2015)
- Macromex 2014, Nuevo Vallarta, Mexico (December 2014)
- 2nd WACKER-RSC International Symposium on Smart Materials for Smart Applications -Emulsion Polymers and Silicones, Shanghai, China (November 2014)
- Canadian Chemical Engineering (CSChE) Annual Conference, Niagara Falls, Canada (October 2014)
- ACS 7th Symposium on "Controlled/Living Radical Polymerization, San Francisco, USA (August 2014)
- Frontiers of Polymer Colloids: from Synthesis to Macro-Scale and Nano-Scale Applications, Prague, Czech Republic (July 2014) **[Keynote]**
- Pacific Polymer Conference, Taiwan (November 2013)
- IUPAC International Symposium on Ionic Polymerizations, Kyoto, Japan (September 2013)
- International Polymer Colloids Group Conference, Shanghai, China (July 2013)
- Canadian Society for Chemistry Annual Conference, Quebec, Quebec (May 2013) **[Keynote]**

- 11th International Workshop on Polymer Reaction Engineering, Hamburg, Germany (May 2013) **[Keynote]**
- Canadian Society for Chemistry Annual Conference, Calgary, Canada (May 2012) **[Keynote]**
- Polymer Reaction Engineering VIII, Cancun, Mexico (May 2012)
- International Conference on Polymers in Dispersed Media, Lyon France (April 2012) **[Keynote]**
- MacroMex 2011: 2nd US-Mexico Meeting on Advances in Polymer Science and 14th SPM National Congress, Cancun, Mexico (December 2011)
- Canadian Society for Chemical Engineering Conference, London, Canada (October 2011) **[Keynote]**
- 6th Symposium on "Controlled/Living Radical Polymerization", (National Meeting of the American Chemical Society), Denver, CO, USA (August 2011)
- IUPAC International Symposium on Ionic Polymerizations, Akron, OH, USA (July 2011)
- International Latex Conference, Akron, OH, USA (July 2011)
- 15th Green Chemistry & Engineering Conference, American Chemical Society, WashingtonDC, USA (June 2011)
- Symposium on Waterborne Coatings Conference, New Orleans, USA (March 2011) **[Plenary**]
- IUPAC World Polymer Congress, Glasgow, Scotland (July 2010) **[Keynote]**
- 2 lectures at the 2nd Sino-Canadian Scientific Exchange Conference on Advanced Materials, Suzhou, China (May 2010)
- Pacific Polymer Conference, Cairns, Australia (December 2009)
- International Symposium on Polymer Colloids, Italy (July 2009)
- International Symposium on Polymer Microspheres, Japan (November 2008) **[Keynote]**
- American Chemical Society Meeting, Philadelphia (August 2008)
- International Symposium on Polymer Colloids, Prague (July 2008)
- International Polymer Colloids Symposium, Coventry, United Kingdom (September 2007)
- Hangzhou International Polymer Forum, Hangzhou, China (June 2007)
- IUPAC World Polymer Congress, Brazil (July 2006)
- 9th Meeting of Pacific Polymer Federation Conference, Hawaii, USA (December 2005)
- 2nd International Symposium on Polymeric Microspheres, Japan (May 2005)
- International Congress on Polymer Reaction Engineering, Berlin, Germany (October 2004)
- Emulsion Polymers Institute Industrial Course on Emulsion Polymerization, Davos, Switzerland (August 2004)
- Emulsion Polymers Institute Industrial Course on Emulsion Polymerization, Lehigh, PA, USA (June 2004)
- Polymers in Dispersed Media, Lyon, France (April 2004)
- Industrial Course on Emulsion Polymerization: International Coatings Exposition, Philadelphia, PA, USA (November 2003)
- Canadian Chemical Engineering Conference, Hamilton ON (October 2003)
- IUPAC Congress/Canadian Society for Chemistry Meeting, Ottawa ON (August 2003)
- Emulsion Polymers Institute Industrial Course on Emulsion Polymerization, Lehigh, PA, USA (June 2003)
- Engineering Foundation Conference on Polymer Reaction Engineering, Quebec (May 2003)
- Canadian Chemical Engineering Conference, Vancouver (October 2002)
- American Chemical Society Meeting, Boston (August 2002)
- Emulsion Polymers Institute Industrial Course on Emulsion Polymerization, Lehigh, PA, USA (June 2002)
- Gordon Conference on Polymer Colloids, Tilton, NH (June 2001)
- International Symposium on Free Radical Polymerization, Tuscany, Italy (June 2001)
- American Chemical Society North Carolina Polymer Discussion Group, North Carolina (April 2001)

Invited University, Industry, and Government Seminars (2001-2018)

- Drexel University, Philadelphia, PA, USA (November 2016)
- Arkema Inc., King of Prussia, PA, USA (November 2016)
- Ontario Research Chairs Symposium, Toronto, Canada (April 2015)
- Kyoto University, Osaka, Japan (April 2015)
- Cabot Corporation, Billerica, MA, USA (September 2014)
- RCI Science Dinner of the Year, Toronto, Canada (April 2014)
- Ontario's Toxics Reduction Program, Toronto, Canada (March 2014)
- University of Southern Mississippi, Mississippi, USA (February 2013)
- Ministry of Environment, Symposium on Green Chemistry and Engineering (November 2012)
- Kobe University, Kobe, Japan (October 2012)
- CIQA (Centro de Investigación en Química Aplciada) Research Centre, Saltillo, Mexico (March 2012)
- Department of Chemistry and Biochemistry, Concordia University (February 2012)
- Workshop on Advances in Emulsion Technology and Nanoparticles for Biomedical and Related Applications, Shanghai, China (October 2011)
- Fuji-Xerox Company, Odawara, Japan (October 2011)
- ToaGosei Chemical Company, Nagoya, Japan (October 2011)
- 2 lectures at Kyoto University, Kyoto, Japan (October 2011)
- UNH Materials Science Seminar, University of New Hampshire (March 2010)
- Leading Edge Seminar Series, University of Toronto (February 2010)
- Synthomer, Essex, UK (July 2009)
- Eindhoven University, Netherlands (July 2009)
- Arkema Inc., King of Prussia, PA, USA (June 2009)
- Canadian Special Operations Forces Command (Canadian Joint Incident Response Unit – Chemical, Biological, Radiological and Nuclear), Kingston, Canada (May 2009)
- Keio University, Minato, Japan (November 2008)
- BASF - The Chemical Company, Ludwigshafen, Germany (July 2008)
- Rensselaer Polytechnical Institute, Troy, NY, USA (June 2007)
- DuPont Dow Elastomers, USA (June 2005)
- Arkema Inc., USA (April 2005)
- Air Products, Allentown, PA (June 2002)
- Union Carbide/Dow Chemical, North Carolina (April 2001)

Refereed Journal Publications:

188. Chunyang Zhu, Xiaowei Wu, Olena Zenkina, Matthew T. Zamora, Karen Moffat, Cathleen M. Crudden and Michael F. Cunningham, Ring opening metathesis polymerization in miniemulsion using a TEGylated ruthenium-based metathesis catalyst, Macromolecules, in press.
187. Torres-Rocha, Olga Lidia; Wu, Xiaowei; Zhu, Chunyang; Crudden, Cathleen M.; Cunningham, Michael F.. Polymerization-induced self-assembly (PISA) of 1,5-Cyclooctadiene Using Ring Opening Metathesis Polymerization, Macromolecular Rapid Communications, DOI:10.1002/marc.201800326
186. Bultz, Elijah; Ouchi, Makoto; Sawamoto, Mitsuo; Cunningham, Michael F.. Smart catalysis with thermoresponsive ruthenium catalysts for miniemulsion living radical polymerization cocatalyzed by smart iron cocatalysts, Journal of Polymer Science, Polymer Chemistry Edition (Part A), in press
185. Darabi, Ali; Shirin-Abadi, Abbas Rezaee; Avar, Sajad; Jessop, Philip; Cunningham, Michael. Surfactant-Free Emulsion Copolymerization of Styrene and Methyl Methacrylate for Preparation of Water-Redispersible Polymeric Powders, Journal of Polymer Science Part A: Polymer Chemistry (2018), 56, 2376–2381.
184. Glasing Joe; Jessop, Philip G.; Champagne, Pascale; Cunningham, Michael F.. Graft-modified cellulose nanocrystals as CO_2-switchable Pickering emulsifiers, Polymer Chemistry (2018), 9, 3864-3872.
183. Shirin-Abadi, Abbas Rezaee; Gorji, Mohsen; Rezaee, Saeid; Jessop, Philip G.; Cunningham, Michael F.. CO2-switchable-hydrophilicity membrane (CO2-SHM) triggered by electric potential: faster switching time along with efficient oil/water separation, Chemical Communications (2018), 54, 8478-8481.
182. Yujie, Zhang; Cunningham, Michael F.; Smeets, Niels M. B.; Dube, Marc A.. Starch nanoparticle incorporation in latex-based adhesives, European Polymer Journal (2018), 106, 128-138.
181. Cummings, Shidan; Cunningham, Michael; Dube, Marc A.. The use of amylose-rich starch nanoparticles in emulsion polymerization, Journal of Applied Polymer Science (2018), 135, 46485.
180. Ho, Jaddie; Mudraboyina, Bhanu; Spence-Elder, Caroline; Resendes, Rui; Cunningham, Michael F.; Jessop, Philip G.. Water-borne coatings that share the mechanism of action of oil-based coatings, Green Chemistry (2018), 20, 1899-1905.
179. Fan, Weijia; Tosake, Masatoshi; Yamago, Shigeru; Cunningham, Michael F.. Living Ab Initio Emulsion Polymerization of Methyl Methacrylate in Water Using a Water-Soluble Organotellurium Chain Transfer Agent under Thermal and Photochemical Conditions, Angewandte Chemie – International Edition (2018), 57, 962-966.
178. Yuan, Xilong; Jessop, Philip; Cunningham, Michael; Oleschuk, Richard. Carbonated water for the separation of carboxylic compounds: a chromatography approach, Green Chemistry (2017), 20, 440-448.
177. Madill, Evan; Garcia-Valdez, Omar; Champagne, Pascale; Cunningham, Michael F.. CO2-Responsive Graft Modified Chitosan for Heavy Metal (Nickel) Recovery, Polymers (2017), 9, 394.
176. Garcia-Valdez, Omar; Champagne, Pascale; Cunningham, Michael F.. Graft modification of natural polysaccharides via reversible deactivation radical polymerization, Progress in Polymer Science (2018), 76, 151-173.
175. Glasing, Joe; Bouchard, Jean; Jessop, Philip G.; Champagne, Pascale; Cunningham, Michael F.. Grafting well-defined CO_2-responsive polymers to cellulose nanocrystals via nitroxide-mediated polymerisation: effect of graft density and molecular weight on dispersion behaviour, Polymer Chemistry (2017), 8, 6000-6012.
174. Krasznai, Daniel; Champagne Hartley, Rachel; Roy, Hanna M.; Champagne, Pascale; Cunningham, Michael F.. Compositional analysis of lignocellulosic biomass: conventional methodologies and future outlook, Critical Reviews in Biotechnology (2018), 38, 199-217.
173. Cano-Valdez, Andrés; Saldívar-Guerra, Enrique; González-Blanco, Roberto; Cunningham, Michael F.; Herrera-Ordóñez, Jorge. Nitroxide Mediated Radical Emulsion Polymerization: Mathematical Modeling, Macromolecular Symposia (2017) 374, 1600150
172. Arredondo, Joaquin; Jessop, Philip G.; Champagne, Pascale; Bouchard, Jean; Cunningham, Michael F.. Synthesis of CO_2-responsive cellulose nanocrystals by surface-initiated Cu(0)-mediated polymerization, Green Chemistry (2017) 19, 4141 – 4152.
171. Garcia-Valdez, Omar; Brescacin, Tiziana; Arredondo, Joaquin; Bouchard, Jean; Jessop, Philip G.; Champagne, Pascale; Cunningham, Michael F. Grafting CO_2-responsive polymers from cellulose nanocrystals *via* nitroxide-mediated polymerization, Polymer Chemistry (2017) 8, 4124-4131.
170. Su, Xin; Jessop, Philip G.; Cunningham, Michael F.. Preparing Artificial Latexes Using a Switchable Hydrophilicity Solvent, Green Chemistry (2017), 19, 1889-1894.
169. Cunningham, Michael F.; Jessop, Philip G.; Darabi, Ali. Stimuli-Responsive Latexes Stabilized by Carbon Dioxide Switchable Groups, Advances in Polymer Science (2017), 1-17, Springer, Berlin, Heidelberg, DOI: 10.1007/12_2017_6. [INVITED]
168. Tsai, Bryan; Garcia-Valdez, Omar; Champagne, Pascale; Cunningham, Michael F.. Poly(Poly(Ethylene Glycol) Methyl Ether Methacrylate) Grafted Chitosan for Dye Removal from Water, Processes (2017), 5, 12. [INVITED]

167. Darabi, Ali; Cunningham, Michael F.. Preparation of Poly(poly(ethylene glycol) methyl ether methacrylate-co-styrene)-b-poly(2-(diethylamino)ethyl methacrylate-co-acrylonitrile) by Nitroxide-Mediated Polymerization in Water, Polymer (2017), 115, 255-260.
166. Yuan, Xilong; Kim, E. G.; Sanders, Colin A.; Richter, Bruce E.; Cunningham, Michael F.; Jessop, Philip G.; Oleschuk, Richard D.. CO_2-modified Solvents for Chromatographic Separation, Green Chemistry (2017), 19, 1757-1765.
165. Darabi, Ali; Glasing, Joe; Jessop, Philip G.; Cunningham, Michael F. Preparation of CO_2-Switchable Latexes Using N-[3-(Dimethylamino)propyl]methacrylamide (DMAPMAm), Journal of Polymer Science, Part A Polymer Chemistry (2017), 55, 1059-1066.
164. George, Sean R.; Champagne-Hartley, Rachel; Deeter, Gary A.; Campbell, J. D.; Reck, Bernd; Urban, Dieter; Cunningham, Michael F.. Amphiphilic Block Copolymers as Stabilizers in Emulsion Polymerization: Effects of the Anchoring Block Molecular Weight Dispersity on Stabilization Performance, Macromolecules (2017), 50 (1), 315–323.
163. Shirin-Abadi, Abbas Rezaee; Jessop, Philip G.; Cunningham, Michael F.. In situ use of aqueous RAFT prepared poly (2-(diethylamino)ethyl methacrylate) as a stabilizer for preparation of CO_2 switchable latexes, Macromolecular Reaction Engineering (2016), 11, 1600035.
162. Cunningham, M. F.. Editorial for special issue: Controlled radical polymerization in dispersed media. Polymer (2016), 106, 159-160.
161. Cunningham, Michael F.; Jessop, Philip G.; Darabi, Ali; Su, Xin. Carbon Dioxide Switchable Polymers and Processes in Polymer Reaction Engineering, Macromolecular Symposia (2016), 370, 92-98.
160. Roeder, Ryan D.; Garcia-Valdez, Omar; Whitney, Ralph A.; Champagne, Pascale; Cunningham, Michael F.. Graft modification of cellulose nanocrystals via nitroxide-mediated polymerization, Polymer Chemistry (2016), 7, 6383-6390.
159. Shibaeva, Oxana; Champagne, Pascale; Cunningham, Michael F.. Greener Solvent Systems for Copper Wire Mediated Living Radical Polymerization, Green Materials (2016), 4, 104-114.
158. Bultz, Elijah; Ouchi, Makoto; Fujimura, Kojiro; Sawamoto, Mitsuo; Cunningham, Michael F.. Ferrocene cocatalysis for ruthenium-catalyzed radical miniemulsion polymerization, Polymer (2016), 106, 313-319.
157. Shirin-Abadi, Abbas Rezaee; Darabi, Ali; Jessop, Philip G.; Cunningham, Michael F.. Tuning the aggregation and redispersion behavior of CO_2-switchable latexes by a combination of DMAEMA and PDMAEMA-b-PMMA as stabilizing moieties, Polymer (2016), 106, 303-312.
156. Su, Xin; Nishizawa, Keita; Bultz, Elijah; Sawamoto, Mitsuo; Ouchi, Makoto; Jessop, Philip G.; Cunningham, Michael F.. Living CO_2 Switchable Latexes Prepared Via Emulsion ATRP and AGET Miniemulsion ATRP, Macromolecules (2016), 49(17), 6251-6259.
155. Glasing, Joe; Champagne, Pascale; Cunningham, Michael. Graft modification of chitosan, cellulose and alginate using reversible deactivation radical polymerization (RDRP), Current Opinion in Green and Sustainable Chemistry (2016), 2, 15-21.
154. Khakzad, Fahimeh; Mahdavian, Ali Reza; Salimi-Mobarakeh, Hamed; Shirin-Abadi, Abbas Rezaei; Cunningham, Michael F.. Redispersible PMMA latex nanoparticles containing spiropyran with photo-, pH- and CO_2-responsivity, Polymer (2016), 101, 274-283.
153. Ge, Shijian; Champagne, Pascale; Wang, Hai-Dong; Jessop, Philip G.; Cunningham, Michael F.. Microalgae Recovery from Water for Biofuel Production Using CO_2-Switchable Crystalline Nanocellulose, Environmental Science & Technology (2016), 50, 7896-7903.
152. Darabi, Ali; Jessop, Philip G.; Cunningham, Michael F.. CO_2-responsive polymeric materials: synthesis, self-assembly, and functional applications, Chemical Society Reviews (2016), 45, 4391-4436.
151. Cunningham, Michael F.; Jessop, Philip G.. An introduction to the principles and fundamentals of CO_2-switchable polymers and polymer colloids, European Polymer Journal (2016), 76, 208 – 215.
150. Payne, Kevin A.; Debling, Jon; Nesvadba, Peter; Cunningham, Michael F.; Hutchinson, Robin A.. NMP of styrene in batch and CSTR at elevated temperatures: Modeling experimental trends, European Polymer Journal (2016), 80, 186-199.
149. González-Blanco, Roberto; Cunningham, Michael F.; Saldívar-Guerra, Enrique. High Solids TEMPO Mediated Semibatch Emulsion Polymerization of Styrene, Journal of Polymer Science: Part A Polymer Chemistry (2016), 54, 49-62.
148. Kapishon, Vitaliy; Allison, Stephanie; Whitney, Ralph A.; Cunningham, Michael F.; Szewczuk, Myron R; Neufeld, Ronald J.. Oseltamivir-conjugated polymeric micelles prepared by RAFT living radical polymerization as a new active tumor targeting drug delivery platform, Journal of Biomaterials Science Polymer Edition (2016), 5, 511-521.
147. Boniface, Kyle J.; Wang, Hong-Bo; Dykeman, Ryan R.; Cormier, Alex; Mercer, Sean. M.; Liu, Guojun; Cunningham, Michael F.; Jessop, Philip G.. CO_2 switchable drying agents, Green Chem. (2016), 18, 208-213.

146. Darabi, Ali; García-Valdez, Omar; Champagne, Pascale; Cunningham, Michael F.. PEGylation of Chitosan Via Nitroxide-Mediated Polymerization in Aqueous Media, Macromolecular Reaction Engineering (2016), 10, 82-89.
145. George, Sean; Champagne-Hartley, Rachel; Deeter, Gary; Campbell, Dave; Reck, Bernd; Urban, Dieter; Cunningham, Michael F.. Amphiphilic Block Copolymers as Stabilizers in Emulsion Polymerization: Effects of the Stabilizing Block Molecular Weight Dispersity on Stabilization Performance, Macromolecules (2015), 48(24), 8913-8920.
144. Zhang, Mingmin; Cunningham, Michael F.; Hutchinson, Robin. Aqueous Copper(0) Mediated Reversible Deactivation Radical Polymerization of 2-Hydroxyethyl Acrylate, Polymer Chemistry (2015), 6, 6509-6518.
143. Kapishon, Vitaliy; Cunningham, Michael F.; Whitney, Ralph A.; Champagne, Pascale; Neufeld, Ronald. Polymerization induced self-assembly of alginate based amphiphilic graft copolymers synthesized by single electron transfer living radical polymerization, Biomacromolecules (2015), 16, 2040–2048.
142. Wang, Hai-Dong; Bouchard, Jean; Jessop, Philip G.; Champagne, Pascale; Cunningham, Michael F.. Cellulose Nanocrystals with CO_2-Switchable Aggregation and Redispersion Properties, Cellulose (2015), 22, 3105-3116.
141. Wang, Hai-Dong; Roeder, Ryan; Whitney, Ralph A.; Champagne, Pascale; Cunningham, Michael F.. Graft modification of crystalline nanocellulose by Cu(0)-mediated SET living radical polymerization, Journal of Polymer Science: Part A Polymer Chemistry (2015), 53, 2800-2808.
140. Bultz, Elijah; Ouchi, Makoto; Nishizawa, Keita; Cunningham, Michael F.; Sawamoto, M.. Shuttling Catalyst for Living Radical Miniemulsion Polymerization: Thermoresponsive Ligand for Efficient Catalysis and Removal, ACS Macro Letters (2015), 4, 628-631.
139. García-Valdez, Omar; George, Sean; Champagne-Hartley, Rachel; Saldívar-Guerra Enrique; Champagne, Pascale; Cunningham, Michal F.. Chitosan Modification via Nitroxide-Mediated Polymerization and grafting to Approach in Homogeneous Media, Polymer (2015), 67, 139-147.
138. Darabi, Ali; Jessop, Philip G.; Cunningham, Michael F.. One-Pot Synthesis of Poly((diethylamino)ethyl methacrylate-co-styrene)-b-poly(methyl methacrylate-co-styrene) Nanoparticles via Nitroxide-Mediated Polymerization, Macromolecules (2015), 48, 1952-1958.
137. Payne, Kevin A.; Nesvadba, Peter; Debling, Jon; Cunningham, Michael F.; Hutchinson, Robin A.. Nitroxide-Mediated Polymerization at Elevated Temperatures, ACS Macro Letters (2015), 4, 280–283.
136. Shirin-Abadi, Abbas Rezaee; Darabi, Ali; Jessop Philip G.; Cunningham, Michael F.. Preparation of redispersible polymer latexes using cationic stabilizers based on 2-dimethylaminoethyl methacrylate hydrochloride and 2,2'-azobis[2-(2-imidazolin-2-yl)propane]dihydrochloride, Polymer (2015), 60, 1-8.
135. García-Valdez, Omar; Champagne-Hartley, Rachel; Saldívar-Guerra, Enrique; Champagne, Pascale; Cunningham, Michael F.. Modification of chitosan with polystyrene and poly(n-butyl acrylate) via nitroxide-mediated polymerization and grafting from approach in homogeneous media, Polymer Chemistry (2015), 6, 2827-2836.
134. Cunningham, Michael F.; Jessop, Philip G.. CO_2-Switchable Materials, Green Materials (2014), 2, 53.
133. Darabi, Ali; Rezaee Shirin-Abadi, Abbas; Jessop, Philip G.; Cunningham, Michael F.. Nitroxide-Mediated Polymerization of 2-(Diethyl)aminoethyl Methacrylate (DEAEMA) in Water, Macromolecules (2014), 48, 72-80.
132. Van Steenberge, Paul H. M.; D'hooge, Dagmar R.; Reyniers, Marie-Françoise; Marin, Guy B.; Cunningham, Michael F.. 4-Dimensional modeling strategy for an improved understanding of miniemulsion NMP of acrylates initiated by SG1-macroinitiator, Macromolecules (2014), 47, 7732-7741.
131. Darabi, Ali; Rezaee Shirin-Abadi, Abbas; Pinaud, Julien; Jessop, Philip G.; Cunningham, Michael F.. Nitroxide-mediated surfactant-free emulsion copolymerization of methyl methacrylate and styrene using poly(2-(diethyl)aminoethyl methacrylate-co-styrene) as a stimuli-responsive macroalkoxyamine, Polymer Chemistry (2014), 5, 6163-6170.
130. Li, Jennifer; Cunningham, Michael F.. Nitroxide-Mediated Microemulsion Polymerization of n-Butyl Acrylate: Decoupling of Target Molecular Weight and Particle Size, Polymer Chemistry (2014), 5, 3804 – 3816.
129. Payne, Kevin; Van Steenberge, Paul; D'hooge, Dagmar; Reyniers, Marie-Francoise; Marin, Guy; Hutchinson, Robin; Cunningham, Michael. Controlled synthesis of poly[(butyl methacrylate)-co-(butyl acrylate)] via activator regenerated by electron transfer atom transfer radical polymerization: insights and improvement, Polymer International (2014), 2, 848-857. [Invited Paper for Special Issue]
128. Su, Xin; Jessop, Philip G.; Cunningham, Michael F.. Switchable surfactants at the polystyrene-water interface: effect of molecular structure, Green Materials (2014), 2, 69-81.
127. Hu, Jing; Jin, Zhennan; Chen, Tzu-Yin; Polley, Jennifer D.; Cunningham, Michael F.; Gross, Richard A.. Anionic Polymerizable Surfactants from Biobased ω-Hydroxy Fatty Acids, Macromolecules (2014), 47(1), 113–120.
126. Su, Xin; Cunningham, Michael F.; Jessop, Philip G.. Use of a Switchable Hydrophobic Associative Polymer to Create an Aqueous Solution of CO_2-switchable viscosity, Polymer Chemistry (2014), 5, 940-944.
125. Su, Xin; Fowler, Candace; O'Neill, Catherine; Pinaud, Julien; Kowal, Erica; Jessop, Philip; Cunningham, Michael.. Emulsion Polymerization Using Switchable Surfactants: A Route Towards Water Redispersable Latexes, Macromolecular Symposia (2013) 333, 93–101.

124. Payne, Kevin A.; D'hooge, Dagmar R.; Van Steenberge, Paul H. M.; Reyniers, Marie-Françoise; Cunningham, Michael F.; Hutchinson, Robin A.; Marin, Guy B.. ARGET ATRP of Butyl Methacrylate: Utilizing Kinetic Modeling to Understand Experimental Trends, Macromolecules (2013), 46(10), 3828−3840.
123. Su, Xin; Cunningham, Michael F.; Jessop, Philip G.. Switchable Viscosity Triggered by CO_2 Using Smart Worm-like Micelles, Chemical Communications (2013), 49, 2655–2657.
122. Chan, Nicky; Meuldijk, Jan; Cunningham, Michael F.; Hutchinson, Robin A.. Continuous ARGET ATRP of Methyl Methacrylate and Butyl Acrylate in a Stirred Tank Reactor, Industrial & Engineering Chemistry Research (2013) 52, 11931−11942.
121. Pohn, Jordan; Cunningham, Michael F.; McKenna, Timothy F. L.. Scale-Up of Emulsion Polymerization Reactors Part II – Simulations and Interpretations, Macromolecular Reaction Engineering (2013) 7, 393–408.
120. Pohn, Jordan; Cunningham, Michael F.; McKenna, Timothy F. L.. Scale-Up of Emulsion Polymerization Reactors Part I – Development of a Model Framework, Macromolecular Reaction Engineering (2013) 7, 380–392.
119. O'Neill, Catherine; Fowler, Candace; Jessop, Philip G.; Cunningham, Michael F.. Redispersing Aggregated Latexes Made with Switchable Surfactants, Green Materials (2013) 1, 27–35.
118. Chan, Nick; Cunningham, Michael F.; Hutchinson, Robin A.. Copper-mediated controlled radical polymerization in continuous flow processes: Synergy between polymer reaction engineering and innovative chemistry. Journal of Polymer Science, Part A: Polymer Chemistry (2013) 51(15), 3081–3096. [Invited Perspective]
117. Thomson, Mary E.; Ness, Jason S.; Schmidt, Scott C.; Macy, Noah; McKenna, Timothy F.; Cunningham, Michael F.. Particle Nucleation in High Solids Nitroxide Mediated Emulsion Polymerization of n-Butyl Acrylate with a Difunctional Alkoxyamine Initiator, Polymer Chemistry (2013), 4, 1803-1814.
116. Su, Xin; Robert, Tobias; Mercer, Sean M.; Humphries, Christine; Cunningham, Michael F.; Jessop, Philip G.. A Conventional Surfactant Becomes CO_2 -Responsive in the Presence of Switchable Water Additives, Chemistry - A European Journal (2013), 19, 5595-5601.
115. Chan, Nicky; Cunningham, Michael F.; Hutchinson, Robin A.. Copper mediated controlled radical polymerization of methyl acrylate in the presence of ascorbic acid in a continuous tubular reactor, Polymer Chemistry (2012), 3(5), 1322-1333.
114. FitzPatrick, Michael; Champagne, Pascale; Cunningham, Michael F.; Falkenburger, Charlene. Application of optical microscopy as a screening technique for cellulose and lignin solvent systems, Canadian Journal of Chemical Engineering (2012), 90(5), 1142-1152.
113. Pinaud, Julien; Kowal, Erica; Cunningham, Michael F.; Jessop, Philip G.. 2-(Diethyl)aminoethyl Methacrylate as a CO_2-Switchable Comonomer for the Preparation of Readily Coagulated and Redispersed Polymer Latexes, ACS Macro Letters (2012), 1(9), 1103-1107.
112. Monteiro, Michael J.; Cunningham, Michael F.. Polymer Nanoparticles via Living Radical Polymerization in Aqueous Dispersions: Design and Applications, Macromolecules (2012), 45(12), 4939-4957. [Invited Perspective and Cover Article]
111. Robert, Tobias; Mercer, Sean M.; Clark, Timothy J.; Mariampillai, Brian E.; Champagne, Pascale; Cunningham, Michael F.; Jessop, Philip G.. Nitrogen-Containing Polymers as Potent Additives for Aqueous Solutions of Switchable Ionic Strength: Application to Separation of Organic Liquids and Clay Particles from Water. Green Chemistry (2012), 14(11), 3053-3062.
110. Fowler, Candace I.; Jessop, Philip G.; Cunningham, Michael F.. Aryl Amidine and Tertiary Amine Switchable Surfactants and their Application in the Emulsion Polymerization of Methyl Methacrylate, Macromolecules (2012), 45(7), 2955-2962.
109. Su, Xin; Jessop, Philip G.; Cunningham, Michael F.. Surfactant-Free Polymerization Forming Switchable Latexes That Can Be Aggregated and Redispersed by CO_2 Removal and then Re-addition, Macromolecules (2012), 45(2), 666-670.
108. Payne, K.; Hutchinson, Robin A.; Cunningham, Michael F.. ARGET ATRP of BMA and BA: Exploring Limitations at Low Copper Levels, ACS Symposium Series (2012), 183-202.
107. Krasznai, Daniel; Champagne, Pascale; Cunningham, Michael F.. Quantitative Characterization of Lignocellulosic Biomass Using Surrogate Mixtures and Multivariate Techniques, Bioresource Technology (2012), 110, 652-661.
106. Krasznai, Daniel J.; McKenna, Timothy F. L.; Cunningham, Michael F.; Champagne, Pascale; Smeets, Niels M. B.. Polysaccharide-stabilized core cross-linked polymer micelle analogues, Polymer Chemistry (2012), 3(4), 992-1001.
105. Chan, Nick; Cunningham, Michael F.; Hutchinson, Robin A. Continuous radical polymerization of methyl acrylate with copper wire in a CSTR, Polymer Chemistry (2012), 3, 486-497.
104. FitzPatrick, Michael F.; Champagne, Pascale; Cunningham, Michael F.. Quantitative Determination of Cellulose Dissolved in 1-Ethyl-3-Methylimidazolium Acetate Using Partial Least Squares Regression on FT-IR Spectra, Carbohydrate Polymers (2012), 87 (2), 1124-1130.

103. FitzPatrick, Michael; Champagne, Pascale; Cunningham, Michael F.. The Effect of Sub-Critical Carbon Dioxide on the Dissolution of Cellulose in the Ionic Liquid 1-Ethyl-3 methylimidazolium Acetate, Cellulose (2012), 19(1), 37-44.
102. Mihara, Masatoshi; Jessop, Philip; Cunningham, Michael F.. Redispersible Polymer Colloids Using Carbon Dioxide as an External Trigger, Macromolecules (2011), 44(10), 3688–3693.
101. Thomson, Mary E.; Ness, Jason S.; Schmidt, Scott C.; Cunningham, Michael F.. High Solids Nitroxide-Mediated Microemulsion Polymerization of MMA with a Small Amount of Styrene and Synthesis of (MMA-*co*-St)-*block*-(BMA-*co*-St) Polymers, Macromolecules (2011), 44(6), 1460–1470.
100. Fowler, Candace I.; Muchemu, Christine M.; Miller, Ricarda E.; Phan, Lam; O'Neill, Catherine, Jessop, Philip G.; Cunningham, Michael F.. Emulsion Polymerization of Styrene and Methyl Methacrylate using Cationic Switchable Surfactants, Macromolecules (2011), 44(8), 2501–2509.
99. Munro, Andrew; Cunningham, Michael F.; Jerkiewicz, Gregory. Spectral and Physical Properties of Electrochemically Formed Colored Layers on Titanium Covered with Clearcoats, ACS Applied Materials & Interfaces (2011), 3(4), 1195–1203.
98. Chan, Nicky; Cunningham, Michael F.; Hutchinson, Robin A. Continuous controlled radical polymerization of methyl acrylate in a copper tubular reactor, Macromolecular Rapid Communications (2011), 32(7), 604–609.
97. Pohn, Jordan; Heniche, Mourad; Fradette, Louis; Cunningham, Michael F.; McKenna, Timothy. Computational Analysis of Mixing and Scale-Up in Emulsion Polymerization Reactors, Macromolecular Symposia (2011), 302(1), 133–141.
96. Enright, Thomas E.; Keoshkerian, Barkev; Cunningham, Michael F.. Residence Time Distribution Study of a Living/Controlled Radical Miniemulsion Polymerization System in a Continuous Tubular Reactor, Invited Article for special issue of Macromolecular Reaction Engineering (2011), 5, 431- 442.
95. El-Jaby, Ula; Cunningham, Michael F.; McKenna, Timothy F.L.. Continuous production of miniemulsions using in-line SMX elements, AIChE J (2011), 57(6), 1585–1594.
94. Thomson, Mary E.; Manley, Anna-Marie; Ness, Jason S.; Schmidt, Scott C.; Cunningham, Michael F.. Nitroxide-Mediated Surfactant-Free Emulsion Polymerization of n-Butyl Methacrylate with a Small Amount of Styrene, Macromolecules (2010), 43(19), 7958-7963.
93. FitzPatrick, Michael; Champagne, Pascale; Cunningham, Michael F.; Whitney, Ralph A.. A biorefinery processing perspective: Treatment of lignocellulosic materials for the production of value-added products, Bioresource Technology (2010), 101, 8915-8922.
92. Chan, Nicky; Cunningham, Michael F.; Hutchinson, Robin A.. Reducing ATRP catalyst concentration in batch, semibatch and continuous reactors, Macromolecular Reaction Engineering (2010), 4, 369-380.
91. El-Jaby, Ula; Cunningham, Michael F.; McKenna, Timothy F. L.. Miniemulsions via in situ Surfactant Generation, Macromolecular Chemistry and Physics (2010), 211, 1377-1386.
90. Thomson, Mary E.; Smeets, Niels M. B.; Heuts, Johan P. A.; Meuldijk, Jan; Cunningham, Michael F.. Catalytic Chain Transfer Mediated Emulsion Polymerization: Compartmentalization and Its Effects on the Molecular Weight Distribution, Macromolecules (2010), 43, 5647-5658.
89. El-Jaby, Ula; Cunningham, Michael F.; McKenna, Timothy F. L.. The advantages of in situ surfactant generation for miniemulsions, Macromolecular Rapid Communications (2010), 31, 558-562.
88. Enright, Thomas E.; Cunningham, Michael F.; Keoshkerian, Barkev. Nitroxide-mediated bulk and miniemulsion polymerization in a continuous tubular reactor: synthesis of homo-, di- and triblock copolymers, Macromolecular Reaction Engineering (2010), 4, 186-196.
87. Munro, Andrew; Cunningham, Michael F.; Jerkiewicz, Gregory. Influence of Clearcoats on the Spectral and Physical Properties of Electrochemically Formed Colored Passive Layers on Zirconium, ACS Applied Materials & Interfaces (2010), 2, 854-862.
86. Thomson, Mary E.; Cunningham, Michael F.. Compartmentalization Effects on the Rate of Polymerization and the Degree of Control in ATRP Aqueous Dispersed Phase Polymerization, Macromolecules (2010), 43, 2772-2779.
85. Pohn, Jordon; Heniche, Mourad; Fradette, Louis; Cunningham, Michael F.; McKenna, Tim. Development of a Computational Framework to Model the Scale-up of High-Solid-Content Polymer Latex Reactors, Chemical Engineering & Technology (2010), 33, 1917-1930.
84. Smeets, Niels M.B.; Heuts, Johan P.A.; Meuldijk, Jan; Cunningham, Michael F.; van Herk, Alex M.. The Effect of Co(II) Mediated Catalytic Chain Transfer on the Emulsion Polymerization Kinetics of Methyl Methacrylate, Journal of Polymer Science Part A: Polymer Chemistry (2009), 47, 5078-5089.
83. Chan, Nicky; Boutti, Salima; Cunningham, Michael F.; Hutchinson, Robin A.. Continuous atom transfer radical polymerization with low catalyst concentration in a tubular reactor, Macromolecular Reaction Engineering (2009), 3,5, 222-231. [Featured Cover Article]
82. El-Jaby, Ula; Farzi, Ghomali; Bourgeat-Lami, Elodie; Cunningham, Michael F.; McKenna, Timothy F.L.. Emulsification for Latex Production using Static Mixers, Macromolecular Symposia (2009), 281, 77-84.

81. Smeets, Niels M.B.; Heuts, Johan P.A.; Meuldijk, Jan; Cunningham, Michael F.; van Herk, Alex M.. Mass Transport Limitations and their Effect on the Control of the Molecular Weight Distribution in Catalytic Chain Transfer Mediated Emulsion Polymerization, Macromolecules (2009), 42, 6422–6428.
80. Smeets, Niels M.B.; Heuts, Johan P.A.; Meuldijk, Jan; Cunningham, Michael F.; van Herk, Alex M.. Evidence of Compartmentalization in Catalytic Chain Transfer Mediated Emulsion Polymerization of Methyl Methacrylate, Macromolecules (2009), 42, 7332-7341.
79. El-Jaby, Ula; Cunningham, Michael; McKenna, Timothy F.L.. Comparison of Emulsification Devices for the Production of Miniemulsions, Industrial and Engineering Chemistry Research (2009), 48, 10147-10151.
78. Chan, Nicky; Cunningham, Michael F.; Hutchinson, Robin A.. ARGET ATRP of methacrylates and acrylates with stoichiometric ratios of ligand to copper, Macromolecular Chemistry and Physics (2008), 209, 1797-1805.
77. Simms, Ryan W.; Cunningham, Michael F.. Compartmentalization of Reverse Atom Transfer Radical Polymerization in Miniemulsion, Macromolecules (2008) 41, 5148-5155.
76. Cunningham, Michael F.. Controlled/Living Radical Polymerization in Aqueous Dispersed Systems, Progress in Polymer Science (2008), 33, 365-398.
75. El-Jaby, U; Cunningham, Michael F.; Enright, Tom; McKenna, Timothy F. L.. Polymerisable Miniemulsions Using Rotor-Stator Homogenisers, Macromolecular Reaction Engineering (2008), 2, 350-360.
74. Asteasuain, Mariano; Soares, Matheus; Lenzi, Marcelo K.; Hutchinson, Robin A.; Cunningham, Michael F.; Brandolin, Adriana; Pinto, Jose C.; Sarmoria, Claudia. Living Radical Polymerization in Tubular Reactors, 2 - Process Optimization for Tailor-Made Molecular Weight Distributions, Macromolecular Reaction Engineering (2008), 2, 414-421.
73. Simms, Ryan W.; Cunningham, Michael F.. High Molecular Weight Poly (butyl methacrylate) via ATRP Miniemulsions, Macromolecular Symposia (2008), 261, 32-35.
72. Mueller, Matthias; Cunningham, Michael F.; Hutchinson, Robin A.. Continuous Atom Transfer Radical Polymerization in a Tubular Reactor, Macromolecular Reaction Engineering (2008), 2, 1, 31-36.
71. Maehata, Hideo; Liu, Xinzhi; Cunningham, Michael F.; Keoshkerian, Barkev. TEMPO-Mediated Emulsion Polymerization, Macromolecular Rapid Communications (2008), 29, 479-484.
70. Simms, Ryan W.; Hoidas, Mark D.; Cunningham, Michael F.. Nitroxide-Mediated Styrene Surfactant-Free Emulsion Polymerization, Macromolecules (2008), 41, 1076-1079.
69. Pohn, Jordan; Buragina, Catherine; Georges, Michael K.; Keoshkerian, Barkev; Cunningham, Michael F.. Stable Free Radical Polymerization in Emulsion: Modelling the Thermodynamics of Monomer Transfer Between Droplets and Particles, Macromolecular Theory and Simulations (2008), 17, 73-85.
68. Maehata, Hideo; Buragina, Catherine; Cunningham, Michael F.. Compartmentalization in TEMPO-Mediated Styrene Miniemulsion Polymerization, Macromolecules (2007), 40, 7126-7131.
67. Asteasuain, Mariano; Soares, Matheus; Lenzi, Marcelo K.; Cunningham, Michael F.; Sarmoria, Claudia; Pinto, Jose Carlos; Brandolin, Adriana. Living free radical polymerization in tubular reactors. I. Modeling of the complete molecular weight distribution using probability generating functions, Macromolecular Reaction Engineering (2007), 1(6), 622-634.
66. Schaffer, Mark A.; McAuley, Kim B.; Marchildon, E. Keith; Cunningham, Michael F.. Thermal degradation kinetics of nylon 66: experimental study and comparison with model predictions, Macromolecular Reaction Engineering (2007), 1(5), 563-577.
65. Fu, Yao; Mirzaei, Ahmad; Cunningham, Michael F.; Hutchinson, Robin A.. Atom-transfer radical batch and semibatch polymerization of styrene, Macromolecular Reaction Engineering (2007), 1(4), 425-439.
64. El-Jaby, Ula; McKenna, Timothy F. L..; Cunningham, Michael F.. Miniemulsification: An Analysis of the Use of Rotor Stators as Emulsification Devices, Macromolecular Symposia (2007), 259, 1-9.
63. Fu, Y.; Cunningham, M.F.; Hutchinson, R.A.. Semibatch Atom Transfer Radical Copolymerization of Styrene and Butyl Acrylate, Macromolecular Symposia (2007), 259, 151-163.
62. Simms, R.W.; Cunningham, Michael F.. High Molecular Weight Poly (Butyl Methacrylate) by Reverse Atom Transfer Radical Polymerization in Miniemulsion Initiated by a Redox System, Macromolecules (2007), 40(4), 860-866.
61. Fu, Yao; Cunningham, Michael F.; Hutchinson, Robin A.. Modeling of nitroxide-mediated semibatch radical polymerization, Macromolecular Reaction Engineering (2007), 1(2), 243-252.
60. Osti, Martina; Cunningham, Michael F.; Whitney, R.A.; Keoshkerian, B.; Enright T.. Miniemulsion Polymerization Initiated by L-Ascorbic Acid and Sulfonate/Sulfate Surfactants, Journal of Polymer Science, Part A: Polymer Chemistry (2007), 45, 69-80.
59. Lin, Marcus; Hsu, James C.C.; Cunningham, Michael F.. Role of Sodium Dodecylbenzenesulfonate in 2,2,6,6-Tetramethyl-1-piperidinyloxy-Mediated Styrene Miniemulsion Polymerization, Journal of Polymer Science, Part A: Polymer Chemistry (2006), 44, 5974-5986.

58. Liu, Yingxin; Jessop, Philip G.; Cunningham, Michael F.; Eckert, Charles A.; Liotta, Charles L.. Switchable Surfactants, Science (Washington, DC, United States) (2006), 313(5789), 958-960.
57. Bian, Kejian; Cunningham, Michael F.. Surface-initiated nitroxide-mediated radical polymerization of 2-(dimethylamino)ethyl acrylate on polymeric microspheres, Polymer (2006), 47(16), 5744-5753.
56. Simms, Ryan W.; Cunningham, Michael F.. Reverse atom transfer radical polymerization of butyl methacrylate in a miniemulsion stabilized with a cationic surfactant, Journal of Polymer Science, Part A: Polymer Chemistry (2006), 44(5), 1628-1634.
55. Cunningham, Michael F.; Ng, David C. T.; Milton, Sarah G.; Keoshkerian, Barkev. Low temperature TEMPO-mediated styrene polymerization in miniemulsion, Journal of Polymer Science, Part A: Polymer Chemistry (2006), 44(1), 232-242.
54. Bian, Kejian; Cunningham, Michael F.. Nitroxide-Mediated Radical Polymerization of 2-(Dimethylamino)ethyl Acrylate and its Sequential Block Copolymerization with Styrene and n-Butyl Acrylate, Journal of Polymer Science, Part A: Polymer Chemistry (2006), 44(1), 414-426.
53. Cunningham, Michael F.; Chatterton, Matthew; Puskas, Judit E.. Thymine-functionalized polystyrenes for applications in biotechnology. III. Increasing the thymine loading via a new synthetic pathway, Journal of Polymer Science, Part A: Polymer Chemistry (2005), 43(22), 5545-5553.
52. Bian, Kejian; Cunningham, Michael F.. Synthesis of polymeric microspheres from a merrifield resin by surface-initiated nitroxide-mediated radical polymerization, Journal of Polymer Science, Part A: Polymer Chemistry (2005), 43(10), 2145-2154.
51. Simms, Ryan W.; Davis, Thomas P.; Cunningham, Michael F.. Xanthate-mediated living radical polymerization of vinyl acetate in miniemulsion, Macromolecular Rapid Communications (2005), 26 (8) 592-596.
50. Abdallah, D.; Ghani, M. A. A.; Cunningham, M. F.; Kazmaier, P. M.; Keoshkerian, B.; Buncel, E.. Multi-armed, TEMPO-functionalized unimolecular initiators for starburst dendrimer synthesis via stable free radical polymerization. 1. Tri azofunctionalized unimer, Canadian Journal of Chemistry (2004), 82 (9), 1393-1402.
49. Enright, T.E.; Keoshkerian, B.; Cunningham, Michael F.. Nitroxide-Mediated Miniemulsion Polymerization of Styrene in a Continuous Tubular Reactor, Macromolecular Rapid Communications (2005), 26, 221-225.
48. Bian, Kejian; Cunningham, Michael F.. Nitroxide-Mediated Living Radical Polymerization of 2-Hydroxyethyl Acrylate and the Synthesis of Amphiphilic Block Copolymers, Macromolecules (2005), 38, 695-701.
47. Wang, Y.; Hutchinson, R.A.; Cunningham, Michael F.. A Semi-Batch Process for Nitroxide Mediated Radical Polymerization, Macromolecular Materials and Engineering (2005), 290, 230-241.
46. Cunningham, Michael F.. Visions on trends and new paths: A view from academia, DECHEMA Monographien, 38 (8th International Workshop on Polymer Reaction Engineering) (2004), 3-8.
45. Fu, Y.; Cunningham, Michael F.; Hutchinson, Robin A.. Controlled radical semibatch polymerization for the production of solvent-borne coating resins, DECHEMA Monographien, 138 (8th International Workshop on Polymer Reaction Engineering) (2004), 467-471.
44. Lenzi, Marcelo K.; Cunningham, Michael F.; Lima, Enrique L.; Pinto, Jose C.. Producing bimodal molecular weight distribution polymer resins using living and conventional free-radical polymerization, Industrial and Engineering Chemistry Research (2005), 44 (8), 2568-2578.
43. Cunningham, M.F.; Buragina, C.; Milton, S.; Ng, D.; Keoshkerian, B.. Maximizing Polymer Livingness in Nitroxide-Mediated Miniemulsion Polymerizations, Polymer (2005), 46, 1025-1032.
42. Lenzi, Marcelo K.; Cunningham, Michael F.; Lima, Enrique L.; Pinto, Jose C.. Modeling of Semibatch Styrene Suspension Polymerization Processes, Journal of Applied Polymer Science (2005), 96(5), 1950-1967.
41. Lenzi, Marcelo K.; Silva, Fabricio M.; Lima, Enrique, L.; Cunningham, Micahel F.. Low-cost Thermocouple Signal Conditioning Module, Journal of Chemical Education (2005), 82, 122-123.
40. Lin, Marcus; Cunningham, Michael F.; Keoshkerian, Barkev. Achieving High Conversions in Nitroxide-Mediated Living Styrene Miniemulsion Polymerization, Macromolecular Symposia (2004), 206, 263-274.
39. Puskas, Judit E.; Dahman, Yaser; Margaritis, Argyrios; Cunningham, Michael F.. Novel Thymine – Functionalized Polystyrene for Applications in Biotechnology. II. Adsorption of Model proteins, Biomacromolecules (2004), 5 (4), 1412-1421.
38. Cunningham, Michael F.; Lin, Marcus; Smith, Jodi-Anne; Ma, John; McAuley, Kim; Georges, Michael G..; Keoshkerian, Barkev. Nitroxide Mediated Living Radical Polymerization in Dispersed Systems, Progress in Colloid and Polymer Science (2004), 124, 88-93.
37. Cunningham, M.F.; Lin, M.; Keoshkerian, B.. Optimizing Nitroxide-Mediated Miniemulsion Polymerization Processes, Journal of Coatings Technology Research (2004), 1, 33-39.
36. Cunningham, M.F.. Recent Progress in Nitroxide Mediated Polymerizations in Miniemulsions, Invited review in Comptes rendu Chimie Academie des sciences (2003), 6, 1351-1374.
35. Cunningham, M.F.; Witty, T.. Diffusion Limited Chain Transfer in Styrene Emulsion Polymerization: Use of n-Dodecanethiol to Regulate Molecular Weight, Polymer Reaction Engineering (2003), 11, 519-540.

34. Schaffer, M. A.; McAuley, K.B.; Cunningham, M.F.; Marchildon, E.K.. Experimental Study and Modeling of Nylon Polycondensation in the Melt Phase, Ind. Eng. Chem. Res. (2003), 42, 2946-2959.
33. Wang, Y.; Naulet, F.; Cunningham, M.F.; Hutchinson, R.A.. Nitroxide-Mediated Semibatch Polymerization for the Production of Low-Molecular Weight Solvent-Borne Coatings Resins, Advances in Controlled/Living Radical Polymerization (ACS Symposium Series) (2003), 854, 466-480.
32. Dahman, Y.; Puskas, J.E.; Margaritis, A.; Merali, Z.; Cunningham, M.. Synthesis and Characterization of Novel Functionalized Polystyrene for Drug Delivery Applications, Macromolecules (2003), 36, 2198-2205.
31. Schaffer, M. A.; McAuley, K.B.; Cunningham, M.F.; Marchildon, E.K.. Prediction of Water Solubility in Nylon Melts Based on Flory-Huggins Theory, Polym. Eng. Sci. (2003), 43, 639-646.
30. Ma, J.W.; Smith, J.-A.; Cunningham, M.F.; McAuley, K; Georges, M.K.; Keoshkerian, B.. Model Studies of Nitroxide-Mediated Styrene Miniemulsion Polymerization – Opportunities for Process Improvement, Macromolecular Theory and Simulations (2003), 12, 72-85.
29. Ma, J.W.; Smith, J.-A.; Cunningham, M.F.; McAuley, K; Georges, M.K.; Keoshkerian, B.. Interfacial Mass Transfer in Nitroxide-Mediated Miniemulsion Polymerization, Macromolecular Theory and Simulations (2002), 11, 953-960.
28. Ma, J.W.; Smith, J.-A.; Cunningham, M.F.; McAuley, K; Georges, M.K.; Keoshkerian, B.. Living Radical Polymerization of Styrene in Miniemulsion. Part 1: Model Studies of Alkoxyamine Initiated Systems, Chemical Engineering Science (2003), 58, 1163-1176.
27. Ma, J.W.; Smith, J.-A.; Cunningham, M.F.; McAuley, K; Georges, M.K.; Keoshkerian, B.. Living Radical Polymerization of Styrene in Miniemulsion. Part 2: Model Studies of Persulfate Initiated Systems, Chemical Engineering Science (2003), 58, 1177-1190.
26. Scott, M.E.; Parent, J.S.; Hennigar, S.L.; Whitney, R.A.; Cunningham, M.F.. Determination of Alkoxyamine Concentration in Nitroxyl-Mediated Styrene Polymerization Products, Macromolecules (2002), 35, 7628-7633.
25. Cunningham, M.F.; Tortosa, K.; Lin, M.; Keoshkerian, B.; Georges, M.K.. Influence of Camphorsulfonic Acid in Nitroxide-Mediated Styrene Miniemulsion Polymerization, Journal of Polymer Science (Polymer Chemistry Edition) (2002), 40, 2828-2841.
24. Cunningham, M.F.. Living/Controlled Radical Polymerizations in Dispersed Phase Systems (Invited Review), Progress in Polymer Science (2002), 27 (6), 1039-1067.
23. Cunningham, M.F.; Tortosa, K.; Ma, J.W.; McAuley, K.B.; Georges, M.K.; Keoshkerian, B. Nitroxide Mediated Styrene Polymerization in Miniemulsion, Macromolecular Symposia (2002), 182, 273-282.
22. Cunningham, M.F.; Xie, M.; McAuley, K.B.; Georges, M.K.; Keoshkerian, B.. Nitroxide Mediated Styrene Miniemulsion Polymerization, Macromolecules (2002), 35, 59-66.
21. Krywko, W.; McAuley K; Cunningham, M.F.. Modelling Morphology Development in Emulsion Polymerization, Polymer Reaction Engineering (2002), 10, 135-162.
20. P.J. Bates; J. Kendall; D. Taylor; M. Cunningham. Pressure Build-up during Melt Impregnation, Composites Science and Technology (2002), 62, 379-384.
19. Tortosa, K.; Smith, J.-A.; Cunningham, M.F.. Synthesis of Polystyrene-block-Poly(butyl acrylate) Block Copolymers Using Nitroxide-Mediated Living Radical Polymerization in Miniemulsion, Macromolecular Rapid Communications (2001), 22, 957-961.
18. Ma, J.W.; McAuley, K.B.; Cunningham, M.F.; Georges, M.K.; Keoshkerian, B.. Nitroxide Partitioning Between Styrene and Water, Journal of Polymer Science (Polymer Chemistry Edition) (2001), 39, 1081-1089.
17. Schaffer, M.A; Marchildon, E.K.; McAuley, K.B.; Cunningham, M.F.. Assessment of Mixing Performance and Power Consumption of a Novel Polymerization Reactor System, Chemical Engineering & Technology (2001), 24 (4), 401-408.
16. Bates, P.J.; Taylor, D.J.; Cunningham, M.F.. Compaction and Transverse Permeability of Glass Rovings, Applied Composite Materials (2001), 8 (6), 163-178.
15. Cunningham, M.F.; Geramita, K.; Ma, J.W.. Measuring the Effects of Dissolved Oxygen in Styrene Emulsion Polymerization, Polymer (2000), 41, 5385-5392.
14. Cunningham, M.F.; Mahabadi, H.K.; Wright, H.M.. Supermicron Polymer Particles with Core-Shell Type Morphologies, Journal of Polymer Science (Polymer Chemistry Edition) (2000), 38 (2), 345-351.
13. Cunningham, M.F.; Ma, J.W.. Calculating Molecular Weight Distributions in Emulsion Polymerization Under Conditions of Diffusion Limited Chain Transfer, Journal of Applied Polymer Science (2000), 78, 217-227.
12. Schaffer, M.A.; Marchildon, E.K.; McAuley, K.B.; Cunningham, M.F.. Thermal Non-Oxidative Degradation of Nylon 6,6, Journal of Macromolecular Science; Reviews (2000), 40 (4), 233-272.
11. Ma, J.W.; Cunningham, M.F.. Predicting the Effectiveness of n-Dodecanethiol Chain Transfer Agent in Styrene Emulsion Polymerization, Macromolecular Symposia (Polymers in Dispersed Media I) (2000), 150, 85-93.
10. Bates, P.J.; Taylor, D.J.; Cunningham, M.F.; Transverse Permeability of Direct Glass Rovings, The Journal of Reinforced Plastics and Composites (2000), 19, 1217-1226.

9. Cunningham, M.F.. Microsuspension Polymerization of Methyl Methacrylate, Polymer Reaction Engineering (1999), 7 (2), 231-258.
8. Li Pi Shan, C.; Baker, W.E.; Cunningham, M.F.; Baird, M.C.. Conversion Studies in a Novel Reaction Injection Moulding Process for Syndiotactic Polystyrene, Journal of Applied Polymer Science (1998), 70, 2679-2693.
7. Cunningham, M.F.; Mahabadi, H.K.. Kinetics of High-Conversion Free-Radical Polymerization. 1. Understanding Kinetics through Study of Pseudoinstantaneous Molecular Weight Distributions, Macromolecules (1996), 29 (3), 835-841.
6. Cunningham, M.F.. Reactor Operating Strategies for Minimizing Diffusion of Additives During In-Situ Suspension Polymerization, AIChE J. (1996), 42 (10), 2948-2959.
5. Cunningham, M.F.; O'Driscoll, K.F.; Mahabadi, H.K.. Bulk Polymerization of Methyl Methacrylate in a Tubular Reactor III: Modelling Fouling Behaviour, Polymer Reaction Engineering (1993), 1 (2), 245-288.
4. Cunningham, M.F.; O'Driscoll, K.F.; Mahabadi, H.K.. Bulk Polymerization of Methyl Methacrylate in a Tubular Reactor II: Production of Low Molecular Weight PMMA, Polymer Reaction Engineering (1993), 1 (2), 229-244.
3. Cunningham, M.F.; O'Driscoll, K.F.; Mahabadi, H.K.. Bulk Polymerization of Methyl Methacrylate in a Tubular Reactor I: Experimental Observations on Fouling, Canadian Journal of Chemical Engineering (1991), 69 (3), 630-638.
2. Hsu, C.C.; Dusseault, J.J.A.; Cunningham, M.F.. Evaluation and Analysis of a Multisite Kinetic Model for Polymerization Initiated with Supported Ziegler-Natta Catalysts, Computer Applications in Applied Polymer Science II (ACS Symposium Series 404) (1989), 404, 403-415.
1. Cunningham, M.F.; Dusseault, J.J.A.; Dumas, C.; Hsu, C.C.. Kinetics of Propylene Polymerization over Magnesium Chloride Supported Catalysts in a Slurry Reactor, in Transition Metal Catalyzed Polymerizations, R.P. Quirk (ed.) (1988), 136-150.

Book Chapters

Cunningham, M., Save, M., Billon, L. Handbook of Nitroxide Mediated Polymerization, Editor Didier Gigmes (Royal Society of Chemistry, publisher), invited chapter on *"Surface Initiated Nitroxide Mediated Polymerization"*, 2015. http://pubs.rsc.org/en/content/chapter/bk9781782620617-00406/978-1-78262-061-7#!divabstract

Charleux, B., Cunningham, M.F., Leiza, J.R., "Vinyl polymerization in heterogeneous systems", 463-499, in *"Comprehensive Polymer Science" (*2nd Edition, Edited by K. Matyjaszewski and M. Möller, Section: Volume 3 - Chain Vinyl Polymerization, Volume Editors: Geoffrey W. Coates and Mitsuo Sawamoto), 2012.

Cunningham, M.F. and Hutchinson, R.A., "Industrial Applications and Processes", 333-360, in *Handbook of Radical Polymerization*, eds. T.P. Davis and K. Matyjaszewski, Wiley-Interscience, New York, 2002.

Patents

31. Resendes, R., Jessop P. G., Cunningham M. F., Mudraboyina, B. P., Ozvald, A. M., Clark, T. J., Mariampillai, B., Yang, Y., Holland, A. M., Honeyman, C. H. (2018) Switchable water-based paint or coating compositions. U.S. Provisional Patent Applications 155579424 (filed June 2016).
30. Jessop, P. G., Mercer, S., Robert, T., Boniface, K., and M. Cunningham. Switchable Materials, Methods and Uses Thereof. Canada. PCT/CA2014/050897. 2014-09-18, In Progress
29. Jessop, P. G., Cunningham, M. F. (2013) Tertiary amine-based switchable cationic surfactants and methods and systems of use thereof. *Can Pat. Appl. No.* ***2803732A1.***
28. Su, X., Cunningham, M. F., and Jessop, P. G."Redispersible Polymer Latex and Methods and Composition for Manufacture Thereof", U.S. Provisional Patent Applications 61/584,757 (filed Jan 2012) and 61/593,924 (filed Feb 2012).
27. Jessop, P.; Cunningham, M.F.; Xin, S. (2013), Micellular Composition having Switchable Viscosity, U.S. Provisional patent application 61/679,055 (filed 8 Feb 2012), PCT and Canadian patent application ***CA2013/050603*** (filed 8 Feb 2013).
26. Mahabadi, H.K.; Cunningham, M.F.; Wright, H.M. (2001), Polyblend Polymeric Composite and Microcapsule Toners, and a Process for Producing the Same, *U.S. Patent Number* ***6,322,946***
25. Cunningham, M.F.; Veregin, R.P.N.; Tripp, C.P., Enright, T.E.; McDougall, M.V.; Creatura, J.A. (2001), Carrier Particles with Halosilanated Pigments, *U.S. Patent Number* ***6,268,100***
24. Cunningham; M.F., Veregin; R.P.N., Tripp; C.P., Enright, T.E., McDougall; M.V., Creatura, J.A. (2001), Carrier Particles with Halosilanated Pigments, *U.S. Patent Number* ***6,180,311***
23. Cunningham, M.F. and Mahabadi, H.K. (2000), Supercritical Polymerization Processes, *U.S. Patent Number* ***6,057,409***
22. Cunningham, M.F., Liebermann, G., Mahabadi, H.K., McNeil, D.M., Hawkins, M.S., Enright, T.E. and Cogswell, A.J. (1999), Conductive Polymers, *U.S. Patent Number* ***5,958,302***
21. Gerroir, P.J., Listigovers, N.A., Cunningham, M.F., Enright, T.E. and Creatura, J.A. (1999), Conductive Particles

Containing Carbon Black and Processes for the Preparation Thereof, *U.S. Patent* ***5,883,176***

20. Cunningham, M.F., Liebermann, G., Mahabadi, H.K., McNeil, D.M., Hawkins, M.S., Enright, T.E. and Cogswell, A.J. (1998), Conductive Polymers, *U.S. Patent* ***5,807,506***
19. Gerroir, P.J., Listigovers, N.L., Cunningham, M.F., Enright, T.E. and Creatura, J.A. (1998), Conductive Particles Containing Carbon Black and Processes for the Preparation Thereof, *U.S. Patent* ***5,747,577***
18. Creatura, J.A., McKnight, C.A., Duggan, M.J., Cogswell, A.J., Cunningham, M.F. and Dombroski, T.C. (1998), Conductive Developer Compositions with Coated Carrier Particles, *U.S. Patent* ***5,595,851***
17. Cunningham, M.F. and Mahabadi, H.K. (1996), Supercritical Polymerization Processes, *U.S. Patent* ***5,514,512***
16. Cunningham, M.F. and Mahabadi, H.K. (1996), Carrier Powder Supercritical Polymers, *U.S. Patent* ***5,514,513***
15. Cunningham, M.F. and Mahabadi, H.K. (1996), Carrier Coatings and Processes, *U.S. Patent* ***5,514,514***
14. Cunningham, M.F. and Mahabadi, H.K. (1996), Method of Making Carriers Having Coatings with Fillers, *U.S. Patent* ***5,516,618***
13. Cunningham, M.F., Enright, T.E. and Mahabadi, H.K. (1996), Coated Carrier Particles and Processes Thereof, *U.S. Patent* ***5,529,719***
12. Mahabadi, H.K., Wright, D.Y., Cunningham, M.F. and Creatura, J.A. (1996), Processes for the Preparation of Conductive Polymeric Particles with Linear and Crosslinked Portions, *U.S. Patent* ***5,575,954***
11. Cunningham, M.F. and Mahabadi, H.K., Smith, T.W. and Creatura, J.A. (1996), Conductive Composite Particles and Processes for the Preparation Thereof, *U.S. Patent* ***5,516,619***
10. Cunningham, M.F., Mahabadi, H.K., Smith, T.W. and Creatura, J.A., (1996), Conductive Composite Particles and Processes for the Preparation Thereof, *U.S. Patent* ***5,484,681***
9. Tripp, C.P., Veregin, R.P., Cunningham, M.F., Enright, T.E. and McDougall, M.V. (1996), Toner Compositions with Halosilanated Pigments, *U.S. Patent* ***5,484,675***
8. Mahabadi, H.K., Wright, D.Y., Cunningham, M.F. and Creatura, J.A. (1996), Processes for the Preparation of Conductive Polymeric Particles with Linear and Crosslinked Portions, *U.S. Patent* ***5,487,847***
7. Van Dusen, J.G., Cunningham, M.F. and Kelly, B.A. (1996), Conductive Contrast Carrier for Xerographic Coating, *U.S. Patent* ***5,496,675***
6. Creatura, J.A., McKnight, C.A., Duggan, M.J. Dombroski, T.C., Kelly, B.A., Mahabadi, H.K. and Cunningham, M.F. (1996), Coated Carrier Particles and Processes Thereof, *U.S. Patent* ***5,567,562***
5. Creatura, J.A., McKnight, C.A., Duggan, M.J. Dombroski, T.C., Kelly, B.A., Mahabadi, H.K. and Cunningham, M.F. (1996), Coated Carrier Particles and Processes Thereof, *U.S. Patent* ***5,518,855***
4. Cunningham, M.F., Enright, T.E., Mahabadi, H.K. and Van Dusen, J.G. (1995), Conductive Powder Coating Materials and Process for Preparation, *U.S. Patent* ***5,447,791***
3. Cunningham, M.F. and Mahabadi, H.K. (1994), Suspension Polymerized Toner Treated by Starved Feed Monomer Addition Process, *U.S. Patent* ***5,306,593***
2. Mahabadi, H.K., Cunningham, M.F. and Wright, D.Y. (1994), Processes for the Preparation of Polymers, *U.S. Patent* ***5,288,585***
1. Mahabadi, H.K., Cunningham, M.F., Wright, H.M. and Gardner, S.J. (1993), Processes for the Preparation of Toners, *U.S. Patent* ***5,264,314***