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Education

June 2006-July 2009	Postdoctoral Scholar, University of California Santa Barbara Advisors – Profs. Craig J. Hawker and Edward J. Kramer
Aug 2001-June 2006	M.S. and Ph.D. Chemistry, Carnegie Mellon University Advisors – Profs. Krzysztof Matyjaszewski & Tomasz Kowalewski
Sep 1993-July 1997	B.S. Polymer Science and Engineering, Nanjing University

Professional Experience

Jan 2017-	Distinguished Professor, College of Arts and Sciences Department of Chemistry & Biochemistry, Univ. of South Carolina
Aug 2014-Dec 2016	Associate Professor with Tenure, College of Arts and Sciences Distinguished Professor, Department of Chemistry and Biochemistry, University of South Carolina
Aug 2009-July 2014	Assistant Professor, Department of Chemistry and Biochemistry, University of South Carolina
Aug 2000-May 2001	Research Assistant, Illinois Institute of Technology
Aug 1997-July 2000	Assistant Scientist, Chinese Academy of Forestry

Editors and Editorial Boards

- *Associate Editor*: Polymer Reviews
- *Guest Editor*: Macromolecular Rapid Communications; Green Materials
- *Editorial Advisory Boards*: Macromolecules, ACS Macro Letters; Macromolecular Rapid Communications, Macromolecular Chemistry and Physics, Polymer, Scientific Reports, Green Materials

Awards and Honor

- Fellow, Polymer Chemistry Division, American Chemical Society (2018)
- ACS Local Section Outreach Volunteer of the Year Award (2018)
- Kavli Fellow, National Academy of Sciences (2018)
- Fellow, the Royal Society of Chemistry (FRSC) (2017)
- Chinese Association of Biomaterials Young Investigator Award (2017)
- Presidential Early Career Award for Scientists and Engineers (PECASE) (2017)
- SC Governor's Young Scientist Award for Excellence in Scientific Research (2016)
- Ada B. Thomas Outstanding Faculty Advisor Award Finalist (2015)
- USC Distinguished Undergraduate Research Mentor Award (2015)
- ACS Polymeric Materials Science & Engineering (PMSE) Young Investigator (2014)
- NIH CAM Pilot Project Award (2013)

- USC Breakthrough Rising Star (2013)
- NSF Career Award (2013-2018)
- Thieme Chemistry Journal Award (2013)
- ACS Leadership Development Award Alternate (2013)
- Emerging Investigator Themed Issue "*Chemical Communications"* (2013)
- ACS Committee on Project Seed (2012-present)
- ACS PRF Doctoral New Investigator Award (2012)
- Polymer Science: The Next Generation, "*Macromol. Rapid Communications*" (2012)
- USDA US-China Agriculture Scientific Exchange Team (2011)
- USC Magellan Scholar Award (Undergraduate Research, 2010, 2011, 2013, 2014, 2016, 2018)
- Singapore National Research Foundation Research Fellow (2009)
- UC Santa Barbara Materials Research Outreach Program Best Poster Prize (2008)
- Chinese Government Award for Outstanding Students Abroad (2005)
- ACS R. A. Glenn Award Finalist (2005)
- ACS Pittsburgh Section Polymer Group Student Award (2005)

Teaching Experience

Lecture Courses
CHEM 739: Advanced Polymer Chemistry
CHEM 333: Organic Chemistry
Research Courses
CHEM 496: Undergraduate Research
CHEM 790: Introduction to Research
CHEM 791: Introduction to Research
CHEM 898: Research in Chemistry II
CHEM 899: Dissertation Preparation

Research Interest

Themes: Sustainability research on bioplastics, healthcare and advanced materials using synthetic organic polymer chemistry.
Biobased polymers and biomaterials from renewable natural resources; metallopolymers; functional polyelectrolytes for antimicrobial and membrane applications.

Books

"Sustainable Polymers from Biomass", **Tang C.**; Ryu C. ed. Wiley-VCH, Weinheim, Germany, May 2017 (13 Chapters, 376 pages).

Book Chapters

(1) Ganewatta M.S.; **Tang C.***; Ryu C. Y. Introduction, in "*Sustainable Polymers from Biomass*", Tang C. and Ryu C., Eds. Wiley-VCH, Weinheim, Germany, **2017**, Chapter 1, pp 1-10.
(2) Yuan L.; Wang Z.; Trenor N. M.; **Tang C.*** Preparation and Applications of Polymers with Pendant Fatty Chains from Plant Oils, in "*Sustainable Polymers from Biomass*", Tang C. and Ryu C., Eds. Wiley-VCH, Weinheim, Germany, **2017**, Chapter 8, pp 181-208.
(3) Wang J.; Yao K.; Wilbon P.; Wang P.; Chu F.; **Tang C.*** Rosin-Derived Polymers and Their Progress in Controlled Polymerization, in "*Rosin-based Chemicals and Polymers*" Zhang J., Ed. ISmithers. Shawbury, UK, **2012**, pp 85-127.

(4) Kowalewski T.; **Tang C.**; Kruk M.; Dufour B.; Matyjaszewski K. Advances in Nanostructured Carbons from Block Copolymers Prepared by Controlled Radical Polymerization Techniques, in *Controlled/Living Radical Polymerization: From Synthesis to Materials*, ACS Symposium Series. Matyjaszewski K. Ed. American Chemical Society: Washington, DC. **2006**, 944, pp 295-310.
(5) Korth, B.D.; Keng, P.; Shim. I.; **Tang, C.**; Kowalewski, T.; Pyun, J. Synthesis, Assembly and Functionalization of Polymer Coated Ferromagnetic Nanoparticles, in *"Nanoparticles: Synthesis, Stabilization, Passivation and Functionalization, ACS Symposium Series*. Nagarajan R. and Hatton T. A. Eds. American Chemical Society: Washington, DC. **2008**, 996, pp 272-285.

Peer-Reviewed Journal Publications

(1) Kopeć M.; Lamson M.; Yuan R.; **Tang C.**; Kruk M.; Matyjaszewski K.; Kowalewski T. Polyacrylonitrile Templated Nanostructured Carbon Materials. *Prog. Polym. Sci.* **2018**, under revision.
(2) Pageni, P.; Yang P.; Bam M.; Zhu T.; Chen Y. P.; Decho A. W.; Nagarkatti M.; **Tang C.*** Recyclable Magnetic Nanoparticles Grafted with Antimicrobial Metallopolymer-Antibiotic Bioconjugates, *Biomaterials*, **2018**, doi.org/10.1016/j.biomaterials.2018.05.007
(3) Lamm M. E.; Wang Z.; Zhou J.; Yuan L.; Zhang X.; **Tang C.*** Sustainable Epoxy Resins Derived from Plant Oils with Thermo- and Chemo-Responsive Shape Memory Behavior, *Polymer*, **2018**, 144, 121-127.
(4) Ganewatta M. S.; Rahman M. A.; Mercado L.; Shokfai T.; Decho A. W.; Reineke T. M.; **Tang C.*** Facially amphiphilic polyionene biocidal polymers derived from lithocholic acid. *Bioact. Mater.* **2018**, 3, 186-193.
(5) Qiao Y.; Yin X.; Zhu T.; Li H.; **Tang C.*** Dielectric Polymers with Novel Chemistry, Compositions and Architectures, *Prog. Polym. Sci.* **2018**, 80, 153-162.
(6) Zhu T.; Xu S.; Rahman Md. A.; Dogdibegovic E.; Yang P.; Pageni P.; Kabir Md P.; Zhou X.; **Tang C.*** Cationic Metallo-Polyelectrolytes for Robust Alkaline Anion-Exchange Membranes. *Angew. Chem. Int. Ed.*, **2018**, 57, 2388-2392. **Inside Back Cover**
(7) Pageni, P.; Yang P.; Chen Y. P.; Huang Y.; Bam M.; Zhu T.; Nagarkatti M.; Benicewicz B. C.; Decho A. W.; **Tang C.*** Charged Metallopolymer-Grafted Silica Nanoparticles for Antimicrobial Applications. *Biomacromolecules* **2018**, 19, 417-425.
(8) Booth W. T.; Schlachter C.; Pote S.; Ussin N.; Mank N. J.; Klapper V.; Offermann L. R.; Tang C.; Hurlburt B. K.; Chruszcz M. The Impact of an N-terminal Poly-Histidine Tag on Protein Thermal Stability. *ACS Omega*, **2018**, 3, 760–768.
(9) Xu S.; Lamm M. E.; Rahman M. A.; Zhang X.; Zhu T.; **Tang C.*** Renewable Atom-Efficient Polyesters and Thermosetting Resins Derived from High Oleic Soybean Oil. *Green Chem.* **2018**, 20, 1106-1113.
(10) Yang P.; Bam M.; Pageni, P.; Zhu T.; Chen Y. P.; Nagarkatti M.; Decho A. W.; **Tang C.*** Trio Act of Boronolectin with Antibiotic-Metal Complexed Macromolecules toward Broad-Spectrum Antimicrobial Efficacy. *ACS Infect. Dis.* **2017**, 3, 845-853.
(11) Song L.; Wang Z.; Lamm M. E.; Yuan L.; **Tang C.*** Supramolecular Polymer Nanocomposites Derived from Plant Oils and Cellulose Nanocrystals, *Macromolecules*, **2017**, 50, 7475-7483.
(12) Wang Z.;* Yuan L.; **Tang C.*** Sustainable Elastomers from Renewable Biomass, *Acc. Chem. Res.* **2017**, 50, 1762-1773.

(13) Ding W.; Wang S.; Yao K.; Ganewatta M.; **Tang C.***; Robertson M.* Physical Behavior of Triblock Copolymer Thermoplastic Elastomers Containing Sustainable Rosin-Derived Polymethacrylate Endblocks, **2017**, *ACS Sustainable Chem. Eng.* 5, 11470-11480.
(14) Merhpouya-Bahrami P.; Chitrala K.; Ganewatta M. S.; **Tang C.**; Murphy E. A.; Enos R.; Velazquez K.; McCellan J.; Nagarkatti M. Blockade of CB1 cannabinoid receptor alters gut microbiota and attenuates inflammation and diet-induced obesity, *Sci. Rep.* **2017**, 15645.
(15) Chitrala K.; Guan H.; Singh N.; Busbee B.; Gandy A.; Bahrami P.; Ganewatta M.; **Tang C.**; Nagarkatti P.; Nagarkatti M. CD44 deletion leading to attenuation of EAE results from alterations in gut microbiome and short-chain fatty acids, *Eur. J. Immunol.* **2017**, 47, 1188-1199.
(16) Li H.; Yang P.; Pageni P.; **Tang C.*** Recent Advances in Metal-Containing Polymer Hydrogels, *Macromol. Rapid Commun.* **2017**, 38, 1700109 (Review article).
(17) Wang Z.; Yuan L.; Ganewatta M.; Rahman M. A.; Wang J.; Liu S.; **Tang C.*** Plant Oil-Derived Epoxy Polymers toward Sustainable Biobased Thermosets, *Macromol. Rapid Commun.* **2017**, 38, 1700009.
(18) Pageni P.; Kabir P.; Yang P.; **Tang C.*** Binding of Cobaltocenium-containing Polyelectrolytes with Anionic Probes, *J. Inorg. Organomet. Polym. Mater.* **2017**, 27, 1100-1109. Invited article for a special issue in honour of Professor Pierre D. Harvey.
(19) Ganewatta M.; Rahman A.; **Tang C.*** Emerging Antimicrobial Research against Superbugs: Perspectives from a Polymer Laboratory, *Journal of the South Carolina Academy of Science*, **2017**, 15, 8-11. 2016 Governor's Young Scientist Award for Excellence in Scientific Research for a Governor's Awards Issue.
(20) Rahman M. A.; Lokupitiya H.; Ganewatta M.; Yuan L.; Stefik M.; **Tang C.*** Designing Block Copolymer Architectures toward Tough Bioplastics from Natural Rosin, *Macromolecules*, **2017**, 50, 2069-2077.
(21) Yang P.; Luo X.; Wang S.; Jin S.; Wang F.; Guo J.; **Tang C.**; Wang C.* Biodegradable Yolk-Shell Microspheres for Ultrasound/MR Dual-Modality Imaging and Controlled Drug Delivery, *Colloids Surf. B Biointerfaces*, **2017**, 151, 333-343.
(22) Yuan L.; Wang Z.; Ganewatta M.; Rahman M. A.; Lamm M.; **Tang C.*** A Biomass Approach to Mendable Bio-Elastomers, *Soft Matter*, **2017**, 13, 1306-1313.
(23) Yang P.; Pageni P.; Kabir P.; Zhu T.; **Tang C.*** Metallocene-containing Homopolymers and Heterobimetallic Block Copolymers via Photo-induced RAFT Polymerization. *ACS Macro Lett.* **2016**, 5, 1293-1300.
(24) Wang J.; Yuan L.; Wang Z.; Rahman M. A.; Huang Y.; Zhu T.; Wang R.; Cheng J.; Wang C.; Chu F.; **Tang C.*** Photoinduced Metal-Free Atom Transfer Radical Polymerization of Biomass Based Monomers. *Macromolecules*, **2016**, 49, 7709-7717.
(25) Ganewatta M. S,; Ding W.; Rahman M. A.; Yuan L.;, Wang Z.; Hamidi N.; Robertson M. L.*; **Tang C.*** Biobased Plastics and Elastomers from Renewable Rosin via "Living" Ring-Opening Metathesis Polymerization, *Macromolecules*, **2016**, 49, 7155-7164.
(26) An S. Y.; Hong S. W.; **Tang C.**; Oh J. W. Rosin-based Block Copolymer Intracellular Delivery Nanocarriers with Reduction-Responsive Sheddable Coronas for Cancer Therapy. *Polym. Chem.* **2016**, 7, 4751-4760.

(27) Xu Y.; Yuan L.; Wang Z.; Wilbon P.; Wang C.; Chu F.*; **Tang C.*** Lignin and Soy Oil-Derived Polymeric Biocomposites by "Grafting from" RAFT Polymerization. *Green Chem.* **2016**, 18, 4974-4981.
(28) Lu L.; Yuan L.; Yan J.; **Tang C.;*** Wang Q.*, Development of core-shell nanostructures by in situ assembly of pyridine-grafted diblock copolymer and transferrin for drug delivery applications. *Biomacromolecules*, **2016**, 17, 2321–2328.
(29) Yin X.; Qiao Y.; Gadinski M. R.; Wang Q.; **Tang C.*** Flexible Thiophene Polymers: A Concerted Macromolecular Architecture for Dielectrics. *Polym. Chem.* **2016**, 7, 2929-2933. **Back Cover**
(30) Yan Y.; Zhang J.; Ren L.; **Tang C.*** Metal-Containing and Related Polymers for Biomedical Applications. *Chem. Soc. Rev.* **2016**, 45, 5232-5263. **Front Cover**
(31) Yuan L.; Wang Z.; Trenor N. M.; **Tang C.*** Amidation of Triglycerides by Amino Alcohols and Their Impact on Plant Oil-Derived Polymers. *Polym. Chem.* **2016**, 7, 2790-2798. **Front Cover**
(32) Wang Z. K.; Zhang Y.; Yuan L.; Hayat J.; Trenor N. M.; Lamm M.; Vlaminck L.; Billiet S.; Du Prez F. E.; Wang Z. G.; **Tang C.*** Biomass Approach toward Robust, Sustainable Multiple Shape-Memory Materials, *ACS Macro Lett.* **2016**, 5, 602–606.
(33) Wang Z. K.; Yuan L.; Jiang F.; Zhang Y.; Wang Z. G.;* **Tang C.*** Bioinspired High Resilient Elastomers to Mimic Resilin, *ACS Macro Lett.* **2016**, 5, 220–223.
(34) Yan Y.; Pageni, P.; Kabir, Md. P.; **Tang C.*** Cationic Metallocenium Derivatives: Synthesis and Their Emerging Macromolecular Chemistry, *SynLett*, **2016**, 27, 984–1005 (invited Account article).
(35) Han Y.; Yuan L.; Li G.; Huang, L.; Qin T.; Chu F.; **Tang C.*** Renewable Polymers from Lignin via Copper-free and Solvent-free Thermal Click Chemistry, *Polymer*, **2016**, 86, 92-100.
(36) Qiao Y.; Yin X.; Wang L.; Islam M. S.; Benicewicz B.; Ploehn H. J.; **Tang C.*** Bimodal Polymer-Brush Core-Shell Barium Titanate Nanoparticles: A Strategy for High-Permittivity Polymer Nanocomposites, *Macromolecules*, **2015**, 48, 8998–9006.
(37) Hayat J.; Mitra I.; Qiao Y.; Stein G. S.;* **Tang C.*** Improving Humidity-Controlled Solvent Annealing Processes for Block Copolymer Poly(Ethylene Oxide)-b-Polystyrene. *Eur. Polym. J.*, **2015**, 71, 476-489.
(38) Ganewatta M. S.; Miller K. P.; Singleton S. P.; Mehrpouya P.; Chen Y.-P.; Yan Y.; Nagarkatti M.; Nagarkatti P.; Decho A. W.;* **Tang C.*** Bacterial Biofilm Disrupting Sustainable Antimicrobial Coatings from Resin Acid Derived Materials. *Biomacromolecules*, **2015**, 16, 3336–3344.
(39) Wang Z.; Yuan L.; Trenor N. M.; Vlaminck L.; Billiet S.; Sarkar A.; Du Prez F. E.; Stefik M.; **Tang C.*** Sustainable Thermoplastic Elastomers Derived from Plant Oil and Their "Click-Coupling" via TAD Chemistry. *Green Chem.* **2015**, 17, 3806 - 3818.
(40) Zhang J.; Yan J.; Pageni P.; Yan Y.; Wirth A.; Chen Y-P.; Qiao Y.; Wang Q.; Decho A. W.; **Tang C.*** Anion-Responsive Metallopolymer Hydrogels for Healthcare Applications, *Sci. Rep.* **2015**, 5, 11914.
(41) Qiao Y.; Yin X.; **Tang C.*** Progress in side-chain thiophene-containing polymers: synthesis, properties and applications, *Sci. CHINA Chem.* **2015**, 58, 1641-1650.
(42) Yan Y.; Deaton T.; Zhang J.; He H.; Hayat J.; Pageni P.; Matyjaszewski K.; **Tang C.*** Syntheses of Monosubstituted Rhodocenium Derivatives, Monomers and Polymers, *Macromolecules* **2015**, 48, 1644-1650.

(43) Akhani R. K.; Clark R. W.; Yuan L.; Wang L.; **Tang C.**; Wiskur S. L.* Polystyrene-Supported Triphenylsilyl Chloride for the Silylation-Based Kinetic Resolution of Secondary Alcohols, *ChemCatChem* **2015**, 7, 1527-1530.
(44) Ganewatta, M. S.; **Tang C.*** Controlling Macromolecular Structures towards Effective Antimicrobial Polymers, *Polymer*, **2015**, 63, A1-A29 (Feature Article). **Cover**
(45) Yuan L.; Wang Z.; Trenor N. M.; **Tang C.*** Robust Amidation Transformation of Plant Oils into Fatty Derivatives for Sustainable Monomers and Polymers, *Macromolecules*, **2015**, 48, 1320-1328.
(46) Qiao Y.; Islam M.S.; Yin X.; Han K.; Yan Y.; Zhang J.; Wang Q.; Ploehn H. J.; Tang C.* Oligothiophene-Containing Polymer Brushes by ROMP and RAFT: Synthesis, Characterization and Dielectric Properties, *Polymer*, **2015**, 72，428-435. A special issue in honor of Prof. Krzysztof Matyjaszewski's 65th birthday.
(47) Yan Y.; Zhang J.; **Tang C.*** Side-Chain Cobaltocenium-Containing Polymers: Controlled Polymerization and Applications, in *Controlled Radical Polymerization: Materials,* ACS Symposium Series. Matyjaszewski K. Ed. American Chemical Society: Washington, DC. **2015**, pp 15–27.
(48) Islam M. S.; Qiao Y.; **Tang C.**; Ploehn H. J.* Terthiophene-Containing Copolymers and Homopolymer Blends as High Performance Dielectric Materials, *ACS Appl. Mater. Interf.* **2015**, 7, 1967-1977.
(49) Li D.; Zhang Y.; Li R.; An Q.; Yu M.; Guo J.; Wang C.;* **Tang C.*** Selective Capture and Quick Detection of Targeting Cells Based on Liquid Suspension Chips, *Small*, **2015**, 11, 2200-2208.
(50) Yu J.; Wang C.; Wang J.*; **Tang C.***; Chu F.* UV-absorbent Lignin-Based Multi-Arm Star Thermoplastic Elastomers, *Macrom. Rapid Commun.*, **2015**, 36, 398−404.
(51) Li H.; Huang Y.; Wang L.; Qiao Y.; **Tang C.;** Jung C.; Yoon Y.; Yu M.* Graphene Oxide Membranes with Hierarchical Roughness for Anti-Fouling Oil/Water Separation. *Adv. Mater. Interf.* **2015**, 2.
(52) Yuan L.; Hamidi N.;* Smith S.; Clemons F.; Hamidi A.; **Tang C.*** Molecular Characterization of Biodegradable Natural Resin Acid-substituted Polycaprolactone, *Euro. Polym. J.* **2015**, 62, 43-50.
(53) Qiao Y.; Ferebee R.; Lee B.; Mitra I.; Lynd N. A.; Hayat J.; Stein G.;* Bockstaller M. R.;* **Tang C.*** Symmetric Poly(ethylene oxide-b-styrene-b-isoprene) Triblock Copolymers: Synthesis, Characterization and Self-Assembly in Bulk and Thin Film. *Macromolecules* **2014**, 47, 6373-6381.
(54) Yan Y.; Zhang J.; Wilbon P.; Qiao Y.; **Tang C.*** Ring-Opening Metathesis Polymerization of 18-e Cobalt(I)-Containing Norbornene and Application as Heterogeneous Macromolecular Catalyst in Atom Transfer Radical Polymerization. *Macromol. Rapid Commun.* **2014**, 35, 1840−1845. **Back Cover**
(55) Qiao Y.; Islam M. S.; Wang L.; Yan Y.; Zhang J.; Benicewicz B. C.; Ploehn H. J.*; **Tang C.*** Thiophene Polymer-Grafted Barium Titanate Nanoparticles toward Nanodielectric Composites. *Chem. Mater.* **2014**, 26, 5319-5326.
(56) Wei J.; Ren L.; Tang C.; **Su Z.*** Electric-stimulus-responsive multilayer films based on a cobaltocenium-containing polymer, *Polym. Chem.* **2014**, 5, 6480-6488.
(57) Zhang J.; Yan Y.; Chen J.; Chance M.; Hayat J.; Gai Z.; **Tang C.*** Nanostructured Metal/Carbon Composites from Heterobimetallic Block Copolymers with Controlled Magnetic Properties. *Chem. Mater.* **2014**, 26, 3185-3190.

(58) Zhang J.; Chen Y.-P.; Miller K. P.; Ganewatta M. S. Bam M.; Yan Y.; Nagarkatti M.; Decho A. W.; **Tang C.*** Antimicrobial Metallopolymers and Their Bioconjugates with Antibiotics against Multidrug Resistant Bacteria, *J. Am. Chem. Soc.* **2014**, 136, 4873-4876.
(59) Hardy C. G.; Zhang J.; Yan Y.; Ren L.; **Tang C.*** Metallopolymers with Transition Metal in Side Chain by Living and Controlled Polymerization Techniques, *Prog. Polym. Sci.* **2014**, 39, 1742-1796.
(60) Ganewatta M. S.; Chen Y.-P.; Wang J.; Zhou J.; Ebalunde J.; Nagarkatti M.; Decho A. W.*; **Tang C.*** Bio-inspired Resin Acid-Derived Materials as Anti-Bacterial Resistance Agents with Unexpected Activities. *Chem. Sci.*, **2014**, 5, 2011 - 2016.
(61) Liu Y.; Yao K.; Chen X.; Wang J.; Wang J.; Ploehn H.; Wang C.; Chu F.; **Tang C.*** Sustainable Thermoplastic Elastomers Derived from Renewable Cellulose, Rosin and Fatty Acids, *Polym. Chem.* **2014**, 5, 3170 - 3181. **Inside Front Cover**
(62) Zhong M.; **Tang C.;*** Kim E. K.; Kruk M.; Celer E. B.; Jaroniec M.; Matyjaszewski K.;* Kowalewski T.* Preparation of porous nanocarbons with tunable morphology and pore size from copolymer templated precursors. *Mater. Horiz.*, **2014**, 1, 121-124.
(63) Yu J.; Liu Y.; Liu X.; Wang C.; Wang J.*; Chu F.*; **Tang C.*** Integration of Renewable Cellulose and Rosin towards Sustainable Copolymers by "Grafting From" ATRP, *Green Chem.* **2014**, 16, 1854-1864.
(64) Yan Y.; Zhang J.; Qiao Y.; **Tang C.*** Facile Preparation of Cobaltocenium-containing Polyelectrolyte via Click Chemistry and RAFT Polymerization, *Macromol. Rapid Commun.* **2014**, 35, 254-259.
(65) Yan Y.; Zhang J.; Qiao Y.; Ganewatta M. S.; **Tang C.*** Ruthenocene-containing Homopolymers and Block Copolymers via ATRP and RAFT Polymerization. *Macromolecules*, **2013**, 46, 8816-8823.
(66) Zhang J.; Yan Y.; Chance W. M.; Chen J.; Hayat J.; Ma S.; **Tang C.*** Charged Metallopolymers as Universal Precursors for Versatile Cobalt Materials, *Angew. Chem. Int. Ed.* **2013**, 52, 13387 –13391.
(67) Jiang F.; Wang Z.; Qiao Y.; Wang Z. G.*; **Tang C.*** A Novel Architecture toward 3rd-Generation Thermoplastic Elastomers by a Grafting Strategy, *Macromolecules* **2013**, 46, 4772–4780.
(68) Qiao Y.; Islam M. D.; Han G.; Leonhardt E.; Zhang J.; Wang Q.; Ploehn H. J.; **Tang C.*** Polymers Containing Highly Polarizable Conjugated Side Chains as High Performance All-Organic Nanodielectric Materials, *Adv. Funct. Mater.*, **2013**, 23, 5638–5646. **Inside Front Cover**
(69) Wang J.; Yao K.; Wang C.; **Tang C.***; Jiang X.* Synthesis and Drug Delivery of Novel Amphiphilic Block Copolymers Containing Hydrophobic Dehydroabietic Moiety. *J. Mater. Chem. B*, **2013**, 1, 2324-2332.
(70) Yao K.; Chen Y.; Zhang J.; Bunyard C.; **Tang C.*** Cationic Salt-Responsive Bottle-Brush Polymers. *Macromol. Rapid Commun.* **2013**, 34, 645-651. **Cover**
(71) Tang C.* Editorial: Next-Generation Renewable Polymers (Speical Issue on Renewable Polymers), *Green Materials* **2013**, 1, 62-63.
(72) Yao K.; **Tang C.*** Controlled Polymerization of Next-Generation Renewable Monomers and Beyond. *Macromolecules* (Perspective) **2013**, 46, 1689-1712. **Cover** (top 3 most accessed paper in 2013 Macromolecules).

(73) Hardy C. G.; Islam M. S.; Gonzalez-Delozier D.; Morgan J. E.; Cash B.; Benicewicz B. C.; Ploehn H. J., **Tang C.*** Converting an Electrical Insulator into a Dielectric Capacitor: End-Capping Polystyrene with Oligoaniline. *Chem. Mater.* **2013**, 25, 799-807.
(74) Zhang J.; Pellechia P. J.; Hayat J.; **Tang C.*** Quantitative and Qualitative Counterion Exchange in Cationic Metallocene Polyelectrolytes. *Macromolecules* **2013**, 46, 1618-1624.
(75) Wilbon P.; Gulledge A. L.; Benicewicz B. C.; **Tang C.*** Renewable Rosin-Fatty Acid Polyesters: the Effect of Backbone Structure on Thermal Properties. *Green Materials* **2013**, 1, 96-104.
(76) Wang J.; Yu J.; Liu Y.; Chen Y.; Wang C.; Tang C.; Chu F.* Synthesis and Characterization of a Novel Rosin-Based Monomer: Free Radical Polymerization and Epoxy Curing, *Green Materials* **2013**, 1, 105-113.
(77) Hardy C. G.; Ren L.; Ma S.; **Tang C.*** Self-Assembly of Well-Defined Ferrocene Triblock Copolymers and Their Template Synthesis of Ordered Iron Oxide Nanoparticles. *Chem. Commun.* **2013**, 49, 4373-4375. *Invited original article for the 2013 "Emerging Investigators" issue.*
(78) Ko N. R.; Yao K.; **Tang C.**; Oh J. K.*, Synthesis and thiol-responsive degradation of polylactide-based bock copolymers having disulfide junctions using ATRP and ROP. *J. Polym. Sci. Part A: Polym. Chem.* **2013**, 51, 3071-3080.
(79) Zhang W.; Zhao S.; Rao W.; Snyder J.; Choi J. K.; Wang J.; Khan I. A.; Saleh N. B.; Mohler P. J.; Yu J.; Hund T. J.; **Tang C.**; He X.* A Novel Core-Shell Microcapsule for Encapsulation and 3D Culture of Embryonic Stem Cells. *J. Mater. Chem. B*, **2013,** 1, 1002-1009.
(80) Chen Y.; Wilbon P.; Zhou J.; Nagarkatti M.; Wang C.; Chu F.; **Tang C.*** Multifunctional Self-Fluorescent Polymer Nanogels for Label-free Imaging and Drug Delivery. *Chem. Commun.* **2013**, 49, 297-299.
(81) Hardy C. G.; **Tang C.*** Advances in Square Arrays through Self-Assembly and Directed Self-Assembly of Block Copolymers. *J. Polym. Sci. Polym. Phys.* (review article), **2013**, 51, 2-15. **Cover**
(82) Yao K.; **Tang C.***; Zhang J.; Bunyard C. Degradable and Salt-Responsive Random Copolymers. *Polym. Chem.* **2013**, 4, 528-535.
(83) Wilbon P.; Chu F*.; **Tang C.***; Progress in Renewable Polymers from Natural Terpenes, Terpenoids and Rosin. *Macromol. Rapid Commun.* (review article), **2013**, 34, 8-37. **Cover** (top 5 most accessed paper in 2013 Macromolecular Rapid Communication).
(84) Zhang J.; Ren L.; Hardy C. G.; **Tang C.*** Cobaltocenium-containing Methacrylate Homopolymers, Block Copolymers and Heterobimetallic Polymers via RAFT Polymerization. *Macromolecules*, **2012**, 45, 6857-6863.
(85) Chen Y.; Wilbon P. A.; Chen Y. P.; Zhou J.; Nagarkatti M.; Wang C.; Chu F.; Decho A. W.; **Tang C.*** Amphipathic Antibacterial Agents Using Cationic Methacrylic Polymers with Natural Rosin as Pendant Group. *RSC Adv.*, **2012**, 2, 10275-10282.
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