

## Contributed Presentations at Conferences

Presentations At Meetings, Invited (and Keynote/Plenary)

(Green – undergraduates; Red = graduate students; Blue = PDFs)

424. Michael A. Brook,\* [Cody B. Gale](#), [Akop Yepremyen](#), [Guanhua Lu](#), [Khaled Tamim](#), [Kaitlyn Silverthorne](#) and [Robert Bui](#), *Biomimetic Antioxidant Cure: Silicones Loaded with Phenols including Vitamins*, Macro 2022 49<sup>th</sup> World Polymer Congress, Winnipeg, Canada, July 17-21, 2022 (Poster).
423. [Reuben Benkel](#), [Emma-Kate Baker](#), [Guanhua Lu](#), Michael A. Brook,\* *Poly(ethylene imine) / silicone elastomers catch and release copper*, Canadian Society for Chemistry, Calgary, June 2022 (poster).
422. [Liam Wittenberg](#), [Daniel Hrabowyj](#), [Yang Chen](#), Michael A. Brook,\* *Copper crosslinked silicone film in RGB colors: Redox as a cure mode?*, Canadian Society for Chemistry, Calgary, June 2022 (poster).
421. [Spencer Chapple](#), [Cheok Hang Iao](#), [Sijia Zheng](#), [Yang Chen](#), Michael A. Brook,\* *Functional Rubber Crumb as a Filler for Silicone Elastomer*, Canadian Society for Chemistry, Calgary, June 2022 (poster).
420. [Michael A. Brook](#)\*, [Cody B. Gale](#), [Akop Yepremyen](#), [Guanhua Lu](#), [Khaled Tamim](#), [Robert Bui](#) and [Kaitlyn Silverthorne](#), *Natural Antioxidants Deliver Function to Silicone Elastomers*, Canadian Society for Chemistry, Calgary, June 2022.
419. [Guanhua Lu](#), [Miguel Melendez](#), Michael A. Brook\*, *Zwitterionic, Natural Amino Acid Silicones*, ISGC 2022 International Symposium on Green Chemistry, La Rochelle, France May 15-20, 2022, Oral.
418. [Angela Y. Li](#), [Miguel Melendez-Zamudio](#), [Akop Yepremyan](#) and Michael A. Brook,\* *Biomimetic crosslinking of silicones by phenolic coupling: Learning from the trees*. ISGC 2022 International Symposium on Green Chemistry, La Rochelle, France May 15-20, 2022, poster.
417. [Khaled Tamim](#), [Cody B. Gale](#) and Michael A. Brook, *Natural Phenolic Crosslinkers for Sustainable Silicones*, ISGC 2022 International Symposium on Green Chemistry, La Rochelle, France May 15-20, 2022, Oral.
416. [Yang Chen](#), [Sijia Zheng](#), [Saleh Ibrahim](#), [Liam Wittenberg](#), Michael A. Brook,\* *Recovering Value from Used Automobile Tires: Dissolution*, ISGC 2022 International Symposium on Green Chemistry, La Rochelle, France May 15-20, 2022, Oral.
415. [Miguel Melendez-Zamudio](#), [Yang Chen](#), Michael A. Brook,\* *Acrylated soybean oil: a key intermediate for more sustainable elastomeric materials*, ISGC 2022 International Symposium on Green Chemistry, La Rochelle, France May 15-20, 2022, Oral.
414. [Kaitlyn Silverthorne](#), [Robert Bui](#), [Ana Pricu](#), Michael A. Brook,\* *Greener Silicone Hydrogels Crosslinked with Protein: Synthesis and Degradation Studies*, ISGC 2022 International Symposium on Green Chemistry, La Rochelle, France May 15-20, 2022, Oral.
413. [Michael A. Brook](#)\*, [Guanhua Lu](#), [Akop Yepremyen](#), [Khaled Tamim](#), [Cody B. Gale](#), [Angela Li](#), *Biomimetic antioxidant cure: Silicones loaded with phenols including vitamins*, ISGC 2022 International Symposium on Green Chemistry, La Rochelle, France May 15-20, 2022, Oral.

- 412 [Daniel Hrabowyj](#), Andrea Feinle, Michael A. Brook,\* *Copper-crosslinked silicone elastomers*, SOUSCC (Southwestern Ontario Undergraduate Chemistry Conference), McMaster University, Hamilton ON Mar 20, 2021 (virtual).
- 411 [Griffin LaChapelle](#) and Michael A. Brook,\* *Utilizing reductive silylation to analyze thiol content in used automotive rubbers*, SOUSCC (Southwestern Ontario Undergraduate Chemistry Conference), McMaster University, Hamilton ON Mar 20, 2021 (virtual).
- 410 [Saleh Ibrahim](#) and Michael A. Brook,\* *Silicone Reduction of S-S bonds in Rubber to Clean Steel from Automobile Tires*, SOUSCC (Southwestern Ontario Undergraduate Chemistry Conference), McMaster University, Hamilton ON Mar 20, 2021 (virtual).
- [Mengchen Liao](#), [Sijia Zheng](#), Michael A. Brook,\* and [Yang Chen](#), *Dissolving Used Rubber Tires: The Reduction of S-S Bonds with Silanes*, The 19th International Symposium on Silicon Chemistry (ISOS-2020/ESD-10), July 5-10, 2020. Postponed, withdrawn.
- 409 [Guanhua Lu](#), [Akop Yepremyan](#), Simon Godfrey,<sup>2</sup> Corinne Mohr,<sup>2</sup> Mathias Herrlein,<sup>2</sup> Michael A. Brook\*, *aza-Michael Silicone Cure is Accelerated by Intramolecular  $\beta$ -Hydroxy Groups*The 19th International Symposium on Silicon Chemistry (ISOS-2020/ESD-10), July 5-10, 2020. Presented in 2021.
- [Andrea Feinle](#),\* [Kyle Faiczak](#), [Andrew Osamudiamen](#), Michael A. Brook\*, *Shear Thickening Silicone Surfactants*, The 19th International Symposium on Silicon Chemistry (ISOS-2020/ESD-10), July 5-10, 2020. Postponed, withdrawn.
- 408 [Daniel Euchler](#), [Mengchen Liao](#), [Akop Yepremyan](#), [Guanhua Lu](#), [Cody Gale](#), Michael A. Brook\*, [Andrea Feinle](#)\*, *Stimuli-Responsive Silicone Elastomers*, The 19th International Symposium on Silicon Chemistry (ISOS-2020/ESD-10), July 5-10, 2020. Presented in 2021, POSTER AWARD.
- 407 [Miguel Melendez-Zamudio](#), [Adrien Lusterio](#), [Kevina Chavda](#), [Mengchen Liao](#) and Michael A. Brook,\* *Precise functional silicones based on thiol-ene chemistry*, The 19th International Symposium on Silicon Chemistry (ISOS-2020), July 5-10, 2020. Presented in 2021. POSTER AWARD.
- 406 [Michael A. Brook](#),\* [Sijia Zheng](#), [Mengchen Liao](#), and [Yang Chen](#), *Dissolving and Reusing Used Rubber Tires*, 5th Green and Sustainable Chemistry Conference, Dresden Germany, Nov. 10-11, 2020.
- [Alena Jurásková](#), Kim Dam-Johansen, Stefan Møller Olsen, Michael A. Brook, Anne Ladegaard Skov, *Development of reliable condensation curing silicone elastomer coatings*, 259<sup>th</sup> American Chemical Society Meeting, Philadelphia PA, Mar 22-26, 2020 - cancelled.
- [Sijia Zheng](#) and Michael A. Brook,\* *Natural and Recycled Fibers as Reinforcement for Silicone Elastomers*, 259<sup>th</sup> American Chemical Society Meeting, Philadelphia PA, Mar 22-26, 2020 (poster) – cancelled.
- [Andrea Feinle](#),\* [Kyle Faiczak](#), [Andrew Osamudiamen](#), and Michael A. Brook,\* *Saccharide amidosilicones with unique viscoelastic properties*, 259<sup>th</sup> American Chemical Society Meeting, Philadelphia PA, Mar 22-26, 2020 (oral) - cancelled.
- [Robert Bui](#) and Michael A. Brook, *Natural Chain Extenders in Dynamic Silicone Elastomers*, 259<sup>th</sup> American Chemical Society Meeting, Philadelphia PA, Mar 22-26, 2020 (poster) - cancelled.

- [Michael A. Brook](#),\* [Sijia Zheng](#), [Mengchen Liao](#), and Yang Chen, *Dissolving and Reusing Used Rubber Tires*, 259<sup>th</sup> American Chemical Society Meeting, Philadelphia PA, Mar 22-26, 2020 (oral) - cancelled.
- 405 [Scott Laengert](#) and Michael A. Brook,\* *A Natural Route to Functional Silicone-Organic Linear Co-polymers*, International Workshop on Silicon-Based Polymers (ISPO), Kiryu Japan, July 2019.
- 404 [Robert Bui](#) and Michael A. Brook,\* *Dynamic covalent Schiff-base silicone polymers and elastomers*, International Workshop on Silicon-Based Polymers (ISPO), Kiryu Japan, July 2019.
- 403 [Guanhua Lu](#), [Alyssa Schneider](#), [Emily Lu](#) and Michael A. Brook,\**A Simple Route to High Molecular Weight Arylsilicones*, International Workshop on Silicon-Based Polymers (ISPO), Kiryu Japan, July 2019. Poster award winner.
- 402 [Yang Chen](#) and Michael A. Brook, *Antimicrobial polyether silicone surfactants*, International Workshop on Silicon-Based Polymers (ISPO), Kiryu Japan, July 2019. Poster award winner.
- 401 [K. Faiczak](#), M. Brook, [A. Feinle](#),\* *Saccharide-modified silicones with unique viscoelastic properties*, International Workshop on Silicon-Based Polymers (ISPO), Kiryu Japan, July 2019.
- 400 [Elisa Oglioni](#), Anne Ladegaard Skov,\* Michael A. Brook,\* *Purple silicones: design of a versatile sensor for screening of antioxidant activity*, International Workshop on Silicon-Based Polymers (ISPO), Kiryu Japan, July 2019.
- 399 [Emily Lu](#), [Alyssa Schneider](#), [Harry Lu](#) and Michael A. Brook,\* *Synthesis of High Molecular Weight Phenyl-Rich Polymethylsiloxanes*, 102<sup>nd</sup> Canadian Chemistry Conference, Quebec City, QC, June 2019.
- 398 [Kyle Faiczak](#), Andrea Feinle and Michael A. Brook,\* *Saccharide-modified silicones with shear thinning and thickening behaviours*, 102<sup>nd</sup> Canadian Chemistry Conference, Quebec City, QC, June 2019.
- 397 [Andrew Osamudiamen](#), [Ayodele Fatona](#), Jose Moran-Mirabal,\* Michael A. Brook,\* *Catalyst-Free Silicone Elastomers via Triazinyl Chemistry*, 102<sup>nd</sup> Canadian Chemistry Conference, Quebec City, QC, June 2019, won poster prize.
- 396 [Scott Laengert](#), Michael A. Brook, *A Natural Route to Well-Defined Silicone-Organic Block Copolymers*, 102<sup>nd</sup> Canadian Chemistry Conference, Quebec City, QC, June 2019.
- 395 [Robert Bui](#), Michael A. Brook, *Dynamic covalent Schiff-base silicone polymers and elastomers*, 102<sup>nd</sup> Canadian Chemistry Conference, Quebec City, QC, June 2019.
- 394 [Cody Gale](#) and Michael Brook, *Quercetin: a natural crosslinker and chain-extender for antioxidant silicone polymers and elastomers*, 5<sup>th</sup> International Symposium of Green Chemistry, La Rochelle, France, May 2019.
- 393 [Cody Gale](#) and Michael Brook, *Silicone structurants for soybean oil: foams, elastomers, and candles*, 5<sup>th</sup> International Symposium of Green Chemistry, La Rochelle, France, May 2019.
- 392 [Adrien Lusterio](#) and Michael Brook, *Routes to Greener Silicone Surfactants*, 5<sup>th</sup> International Symposium of Green Chemistry, La Rochelle, France, May 2019.

- 391 [Piotr Mazurek](#), [Liyun Yu](#), Michael A Brook, Anne L Skov\* *Silicone Elastomer Composites with Discrete Liquid Compartments*, Silicon-containing Polymers and Composites, San Diego CA Dec. 2018.
- 390 [Sijia Zheng](#), [Shuai Liang](#) and Michael A. Brook, *Silicone Rubber Product Design: MTDQ Resins, Network Construction and Additive Manufacturing*, The 14th Refined Silicone Products Symposium for Automotive, Medical Health, and Composite Applications (十四)届有机硅精细化学品暨汽车, 医疗健康用有机硅, 杂化胶高端发展论坛, 中国杭州, Hangzhou, China, Oct. 30-31, 2018.
- 389 [Monika Śliwiak](#), [Robert Bui](#), Michael A. Brook, Ponnambalam R. Selvaganapathy, 3D Inkjet Printing Method with Free Space Droplet Merging for Low Viscosity and Highly Reactive Materials, The Twenty Second International Conference on Miniaturized Systems for Chemistry and Life Sciences ( $\mu$ TAS 2018), Kaohsiung, Taiwan, 11-15 November, 2018, poster.
- 388 [Piotr Mazurek](#), Michael A. Brook, [Björn E. F. Ekbrant](#), Anne L. Skov\*, Glycerol-silicone elastomers – current status and perspectives 9<sup>th</sup> European Silicon Days, Universität des Saarlandes, Saarbrücken, Germany, Sept. 2018.
- 387 [Scott Laengert](#), Michael A. Brook,\* and Anne L. Skov,\* *The Electronic Effects of Polar Aromatics on Silicone Dielectrics*, 9<sup>th</sup> European Silicon Days, Universität des Saarlandes, Saarbrücken, Germany, Sept. 2018.
- 386 [Sijia Zheng](#) and Michael A. Brook\*, *Silicone/Saccharide composites using thiol-ene “click”*, 22<sup>nd</sup> ACS Green Chemistry Institute, Portland OR, June 2018, poster.
- 385 [Ayodele Fatona](#), Jose Moran-Mirabal, and Michael A. Brook\*, *Functional silicone-cellulose hybrid nanocomposites derived from thioacetals*, 22<sup>nd</sup> ACS Green Chemistry Institute, Portland OR, June 2018.
- 384 [Robert Bui](#), and Michael A. Brook\* *Vanillin-Crosslinked Dynamic Silicone Elastomers*, 22<sup>nd</sup> ACS Green Chemistry Institute, Portland OR, June 2018, poster.
- 383 [Cody Gale](#), [Brandon Chin](#), Daniel Graiver, and Michael A. Brook,\* *Synthetic Routes to Silicone-Modified Soybean Oil Copolymers*, 101<sup>st</sup> Canadian Chemistry Conference, Edmonton AB May 2018.
- 382 [Michael Y. Wong](#) and Michael A. Brook\* *Facile Synthesis of Polydimethylsiloxane (PDMS) using Fluoride Initiator*, 101<sup>st</sup> Canadian Chemistry Conference, Edmonton AB May 2018.
- 381 [Adrien Lusterio](#), [Benjamin Macphail](#) and Michael A. Brook,\* *Silicone/Saccharide composites using boronate linkers*, 101<sup>st</sup> Canadian Chemistry Conference, Edmonton AB May 2018.
- 380 [Alyssa Schneider](#) and Michael A. Brook\*, *Controlled Single-Step Polymerization of ABA-type Silicone Block Copolymers and Their Use in High-Throughput Elastomer Synthesis*, 101<sup>st</sup> Canadian Chemistry Conference, Edmonton AB May 2018.
- 379 [Robert Bui](#) and Michael A. Brook,\* *Dynamic Covalent Schiff-Base Silicone Elastomers*, 101<sup>st</sup> Canadian Chemistry Conference, Edmonton AB May 2018.
- 378 [Ayodele Fatona](#), Jose Moran-Mirabal, and Michael A. Brook,\* *Functional silicone networks via thioacetal linkages*, 101<sup>st</sup> Canadian Chemistry Conference, Edmonton AB May 2018, Canadian Journal of Chemistry Prize for Best Oral Presentation.

- 377 [Sijia Zheng](#), Michael Z. Prime, Ravi Selvaganapathy and Michael A. Brook,\* *3D Printable, rapid cure silicone elastomers prepared using thiol-ene “click” chemistry*, 101<sup>st</sup> Canadian Chemistry Conference, Edmonton AB May 2018.
- 376 [Mengchen Liao](#), [Alyssa Schneider](#), [Scott Laengert](#), [Cody Gale](#), Yang Chen, and Michael A. Brook,\* *Controlled Synthesis of Silicone Block Polymers: Just Add Water*, 101<sup>st</sup> Canadian Chemistry Conference, Edmonton AB May 2018.
- 375 [Shuai Liang](#), [Sijia Zheng](#), Yang Chen and Michael A. Brook,\* *Controlling Silicone Elastomer Structure: MDTQ Resins*, 101<sup>st</sup> Canadian Chemistry Conference, Edmonton AB May 2018.
- 374 [Piotr Mazurek](#), Michael Brook, Anne Skov,\* *Glycerol-Silicone Elastomers as Active Membranes for Wound Dressings and Beyond*, Materials Research Society, Phoenix Ariz., Apr. 5, 2018.
- [Ayodele Fatona](#), Jose Moran-Mirabal, and Michael A. Brook\*, *Functional silicone networks via thioacetal linkages*, 18<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVIII), Jinan China, Aug. 6-10, 2017 (poster withdrawn – no visa issued by China).
- 373 [Jennifer Morgan](#), and Michael A. Brook\*, *Incorporating Highly Branched Silicone Oils into Gels*, 18<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVIII), Jinan China, Aug. 6-10, 2017 (won a poster prize).
- 372 [Alyssa Schneider](#), [Mengchen Liao](#) and Michael A. Brook, *Controlling Structure of Well-Defined Block Copolymer Silicones in a Single-Step One-Pot Synthesis*, 18<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVIII), Jinan China, Aug. 6-10, 2017.
- 371 [Scott Laengert](#) and Michael A. Brook\*, *Sequential Functionalization of a Natural Crosslinker Leads to Designer Silicone Networks*, 18<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVIII), Jinan China, Aug. 6-10, 2017. 45th Southern Ontario Undergraduate Student Chemistry Conference (SOU SCC); 10th Annual Undergraduate Research Symposium for the Western New York section of the American Chemical Society (WNYACS).
- 370 [Shuai Liang](#), [Sijia \(Scarlet\) Zheng](#), [Jennifer Morgan](#), [Yang \(Daniel\) Chen](#) and Michael A. Brook,\* *MDTQ Resins*, 18<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVIII), Jinan China, Aug. 6-10, 2017 (won a ‘Silicon Slam’ prize).
- 369 [Yang Chen](#) and Michael A. Brook, *Rendering silicone elastomer surfaces long-term wettable with low protein adsorption by tethering silicone surfactants*, 18<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVIII), Jinan China, Aug. 6-10, 2017.
- 368 [Sijia \(Scarlet\) Zheng](#), [Yang \(Daniel\) Chen](#) and Michael A. Brook\*, *3-D Printable, Rapid Cure Silicone Elastomers Prepared Using Thiol-ene “Click” Chemistry*, 18<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVIII), Jinan China, Aug. 6-10, 2017.
- 367 [Robert Bui](#) and Michael A. Brook\* *Dynamic Covalent Silicone Network Polymers: Imine-Based Elastomers*, 18<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVIII), Jinan China, Aug. 6-10, 2017.
- 366 [Mengchen Liao](#), [Yang \(Daniel\) Chen](#) and Michael A. Brook\* *A simple hydrolytic method to prepare silicone elastomers*, 18<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVIII), Jinan China, Aug. 6-10, 2017.

- 365 [Piotr Mazurek](#); Michael A. Brook; Anne Ladegaard Skov, Glycerol-silicone elastomers as active membranes for wound dressings and beyond, OL21: 11th International Workshop on Silicone Polymers 2017, Snekkersten Denmark, July 2017.
- 364 [Yang Chen](#); Michael A. Brook, *Silicone surfactants based on natural hydrophiles*, OL23, 11th International Workshop on Silicone Polymers 2017, Snekkersten Denmark, July 2017.
- 363 [Cody Gale](#); [Brandon Chin](#); Daniel Graiver; Michael A. Brook, Synthetic Routes to Silicone-Modified Soybean Oil Copolymers, P15, 11th International Workshop on Silicone Polymers 2017, Snekkersten Denmark, July 2017.
- 362 [Nicole Amaral](#); [Madiha Khan](#); [Sarah Celeste](#); [Yang Chen](#); Michael A. Brook, *Should We Sugarcoat it? Silicone Elastomers Modified with Pullulan and Glycerol*, P16, 11th International Workshop on Silicone Polymers 2017, Snekkersten Denmark, July 2017.
- 361 [Scott Laengert](#); [A. Schneider](#); [E. Lovinger](#); [Y. Chen](#); M.A. Brook (Best oral presentation from a student), OL13, *Sequential Functionalization of a Natural Cross-linker Leads to Designer Silicone Networks*, 11th International Workshop on Silicone Polymers 2017, Snekkersten Denmark, July 2017 (Best student oral presentation).
- 360 [Benjamin Macphail](#); Michael A. Brook, *Saccharide-Binding Silicones*, OL16, 11th International Workshop on Silicone Polymers 2017, Snekkersten Denmark, July 2017.
- 359 [Robert Bui](#); Michael A. Brook, *Dynamic Covalent Silicone Network Polymers: Imine-Based Elastomers*, OL18, 11th International Workshop on Silicone Polymers 2017, Snekkersten Denmark, July 2017.
- 358 [Scott E. Laengert](#), [Alyssa F. Schneider](#), [Eric Lovinger](#), [Yang Chen](#) and Michael A. Brook, *Sequential Functionalization of a Natural Cross-linker Leads to Designer Silicone Networks*, 48th Silicon Symposium, Philadelphia, PA, June 2017.
- 357 [Jennifer Morgan](#), [Tong Chen](#) & Michael A. Brook, *Novel Synthesis and Branching of a Spirocyclic Silicone*, 48th Silicon Symposium, Philadelphia, PA, June 2017.
- 356 [Alyssa F. Schneider](#), [Mengchen Liao](#) and Michael A. Brook, *The Effects of Water in the Piers-Rubinsztajn Reaction*, 48th Silicon Symposium, Philadelphia, PA, June 2017.
- 355 [Foran, G.](#), [Macphail, B.](#), Brook, M.A., Goward, G.R., Influence of Boron Loading on Structure in SiBA Polymers Investigated via Solid State NMR 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Toronto, Canada, May 2017.
- 354 [Nicole M. Amaral](#), [Madiha Khan](#), [Yang Chen](#) and Michael A. Brook, *Should We Sugarcoat It? Pullulan-doped Silicone Elastomers*, 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Toronto, Canada, May 2017 (Undergraduate Award).
- 353 [Yang Chen](#) and Michael A. Brook, *Tethering silicone surfactants onto silicone elastomers leads to long-term wettability*, 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Toronto, Canada, May 2017.
- 352 [Alyssa F. Schneider](#) and Michael A. Brook, *High-Throughput Synthesis of Aryl-Rich Silicone Elastomers with Tunable Optical Properties*, 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Toronto, Canada, May 2017.
- 351 [Cody B Gale](#), [Brandon A. Chin](#) and Michael A. Brook, *Synthetic Routes to Silicone-Modified Soybean Oil Copolymers*, 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Toronto, Canada, May 2017.

- 350 [Sijia \(Scarlet\) Zheng](#) and Michael A. Brook, *3D printable, rapid cure silicone elastomers prepared using thiol-ene "click" chemistry*, 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Toronto, Canada, May 2017.
- 349 [Scott E. Laengert](#), [Alyssa F. Schneider](#), [Eric Lovinger](#), [Yang Chen](#) and Michael A. Brook *Sequential Functionalization of a Natural Crosslinker Leads to Designer Silicone Networks*, 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Toronto, Canada, May 2017.
- 348 [Mengchen Liao](#), [Yang Chen](#), and Michael A. Brook, *A hydrolytic method to prepare complex silicone elastomers*, 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Toronto, Canada, May 2017.
- 347 [Jennifer Morgan](#), [Tong Chen](#), and Michael A. Brook, *Novel Synthesis and Branching of a Spirocyclo Silicone*, 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Toronto, Canada, May 2017 (MSED Award).
- 346 [Michael Brook](#), [Cody Gale](#), [Brandon Chin](#), Daniel Graiver, *Soy Bean Oil-derived Elastomers and Foams Produced Using Silicones*, 4th International Symposium of Green Chemistry, La Rochelle France May 16-19, 2017 (Oral, Flash presentation).
- 345 [Michael Brook](#), [Benjamin Macphail](#), [Laura Zepeda-Velazquez](#), [Talena Rambarran](#), [Ayodele Fatona](#), Jose Moran-Mirabal, [Robert Bui](#), *Practical Routes to Silicone/Saccharide Composite Materials*, 4th International Symposium of Green Chemistry, La Rochelle France May 16-19, 2017 (Oral).
- 344 [Benjamin Macphail](#), [Laura Zepeda-Velazquez](#), and Michael A. Brook, *Aqueous Interactions With Silicone Boronate Esters: Formation and Mechanical Properties of Silicone Boronic Acid Elastomers*. June 25-28, 2016. BORAM XV, Kingston, Canada.
- 343 [Alyssa F. Schneider](#) and Michael A. Brook, *Tuning Elastomeric Physical Properties by Controlling Arylene Density in the PDMS backbone via High throughput Synthesis*, 47<sup>th</sup> Silicon Symposium, Portland, Oregon June 19-22, 2016.
- 342 [Jennifer Morgan](#), [Tong Chen](#), Michael A. Brook, *Modifying the Viscosity of Silicone Polymers Through the Use of High Density Branches*, 47<sup>th</sup> Silicon Symposium, Portland, OR, June 2016.
- 341 [Jennifer Morgan](#), [Tong Chen](#), Michael A. Brook, *Tailoring the Properties of Gels Using Highly Branched Silicone Polymers*, 99<sup>th</sup> Canadian Chemistry Conference and Exhibition, Halifax, Canada, June 2016.
- 340 [Schneider, Alyssa](#), [Laidley, Elizabeth](#), Brook, Michael A., *Tuning the Physical Properties of Silicone Elastomers by Controlling Arylene Density in the PDMS backbone via High Throughput Synthesis*, 99<sup>th</sup> Canadian Chemistry Conference, Halifax, Canada, June 5-9 2016.
339. [Lasowski, F.](#), [Rambarran, T.](#), Brook, M.A. Sheardown, H.,\* *Compatibility of PEG-containing siloxane materials by metal-free click-chemistry*, 10<sup>th</sup> World Biomaterials Congress, May 17-22, 2016, Montreal Canada.
338. [Ayodele Fatona](#), [Yang Chen](#), Michael A. Brook, and Jose Moran-Mirabal, *Structuring and in-mould modification of PDMS surfaces for self-driven microfluidic channels*, 10<sup>th</sup> World Biomaterials Congress, May 17-22, 2015, Montreal Canada.
337. [Yang Chen](#) and Michael A. Brook, *Water Wettable Silicone Elastomer Biomaterials Surfaces*, 10<sup>th</sup> World Biomaterials Congress, May 17-22, 2016, Montreal Canada.

336. [Madiha F. Khan](#), Michael A. Brook, *Acrylic polymers bearing superwetting silicone surfactants are candidates for bacterial adhesion-resistant biomaterials*, 10<sup>th</sup> World Biomaterials Congress, May 17-22, 2016, Montreal Canada.
335. [Benjamin Macphail](#), [Laura Zepeda-Velazquez](#), Michael Brook, *Synthesis and Mucin Binding to Silicone Boronic Acid Elastomers*, 10<sup>th</sup> World Biomaterials Congress, May 17-22, 2016, Montreal Canada.
334. [Jennifer Morgan](#), [Tong Chen](#), and Michael A. Brook, *Using Highly Branched Silicone Oils to Tailor the Properties of Gels*, 251<sup>st</sup> American Chemical Society Meeting, Mar. 13-17, 2016, San Diego, California.
333. [Benjamin Macphail](#), [Laura Zepeda-Velazquez](#), Michael A. Brook, *Synthesis of Spread and Set Silicone Boronic Acid Elastomers Activated by Contact with Aqueous Surfaces*, American Chemical Society Meeting, Mar. 13-17, 2016, San Diego, California.
332. [Brook, Michael A.](#), [Zhang, Jianfeng](#), *Reductive silylation of lignin: A route to oligomers and green composites*, Symposium on Sustainable Conversion of lignin to Value-Added Products and Green Chemicals (#319), Pacificchem 2015, December 2015, Honolulu, Hawaii.
331. [Brook, Michael A.](#), [Grande, J. B.](#), [Morgan, Jennifer](#), [Tong Chen](#), *Iterative Preparation of Highly Branched Silicone Polymers*, Symposium on Precision Synthesis by Controlled Techniques: Karen Wooley, Craig Hawker, 14th Pacific Polymer Conference 2015, December 2015, Honolulu, Hawaii.
330. [Marlena Whinton](#), Michael Brook, *Transparent UV Absorbent Materials: In Situ TiO<sub>2</sub> Formation within a Silicone Microemulsion*. SCC Ontario Chapter Meeting. November 5, 2015, Vaughan, Ontario.
329. [Ayodele Fatona](#), [Yang Chen](#), Michael A. Brook,\* and Jose Moran-Mirabal\* *One-step Modification and Structuring of PDMS Surfaces and Its Application in the Bench-top Fabrication of Self-driven Microfluidic Channels*, Poster T.428f, Oct. 27, 2015 MicroTAS Program Gyeongju, Korea.
328. [Yang Chen](#), [Ayodele Fatona](#), Jose Moran-Mirabal, and Michael A. Brook\* *A Facile Method to Obtain Highly Wettable, Low Protein Adsorbing PDMS-Based Microfluidic Channels*, Poster W.429f, Oct. 27, MicroTAS 2015 Program Gyeongju, Korea.
327. [Marlena Whinton](#) and Michael Brook, *In-situ Formation of Titanium Dioxide within Silicone Microemulsions to Create Transparent, Nano-structured UV Absorbing Materials*, Florida Chapter SCC 2015 Sunscreen Symposium, September 17-19, 2015 Orlando, Florida.
326. [Brook, Michael A.](#), [Chen, Y.](#), [Schneider, Alyssa](#), [Zepeda-Velazquez, Laura C.](#), [Li, Xioameng](#), [Odenwald, Christina](#), [Rajendra Vinodh](#), [Lovinger, Eric](#), *Rapid prototyping of silicones using the Piers Rubinsztajn reaction*, Silicones and Silicone-Modified Materials VII Symposium, 250th National ACS meeting, Boston Aug. 12, 2015.
325. [Zhang, Jianfeng](#), Brook, Michael A. *Lignin as a Green Reinforcing Agent for Silicone Elastomers*, 2015 TAPPI International Conference on Nanotechnology, Atlanta, Georgia, June 24, 2015.
324. [Alyssa F. Schneider](#), Elizabeth Laidley and Michael A. Brook, *Controlling arylene density in the pdms backbone of network structures*, 46th Silicon Symposium, Davis, CA June 21-24, 2015.



323. [Talena Rambarran](#), Ferdinand Gonzaga, Michael A. Brook, 'Clickable' silicones: complimentary silicone elastomers for adhesive interfaces, 46th Silicon Symposium, Davis, CA June 21-24, 2015.
322. [Jennifer Morgan](#) and Michael A. Brook, *Branching silicone polymers to control properties of gels*, 46th Silicon Symposium, Davis, CA June 21-24, 2015 (Poster prize).
321. [E. Mansuri](#), R. Schmidt, C. E. DeWolf, [L. Zepeda-Velazquez](#), M. A. Brook, *Surface Behavior of Boronic Acid-terminated Silicone Surfactants*, 98th Canadian Chemistry Conference, Ottawa, Canada, June 13-17, 2015.
320. [A. Fatona](#), M. A. Brook, J. Moran-Mirabal, [Y. Chen](#), *Fabrication of Amphiphilic PDMS Arrays Using Facile One-step Method and Its Application in Self-driven Microfluidic Device*, 98th Canadian Chemistry Conference, Ottawa, Canada, June 13-17, 2015.
319. [Schneider, Alyssa](#), [Laidley, Elizabeth](#), Brook, Michael A., *Controlling Arylene Polydimethylsiloxane Network Structures*, 98th Canadian Chemistry Conference, Ottawa, Canada, June 13-17, 2015.
318. [D. Basker](#), M.A. Brook, K. Saravanamuttu, 3-D Nonlinear InSCRIPTION of Complex Micro-ComponentS (3D-NSCRIPT), 98th Canadian Chemistry Conference, Ottawa, Canada, June 13-17, 2015.
317. [R. C. Chadwick](#), [D. Fong](#), [N. A. Rice](#), M. A. Brook, A. Adronov, *Bulk Dispersion of Single-walled Carbon Nanotubes in Silicones using Diblock Copolymers*, 98th Canadian Chemistry Conference, Ottawa, Canada, June 13-17, 2015.
316. [Whinton, M.](#); Brook M. A.; Hughes, T. C. *Polymerization of Silicone Microemulsions: Morphology Determination by Small Angle X-ray Scattering and Transmission Electron Microscopy*, 98th Canadian Chemistry Conference, Ottawa, Canada, June 13-17, 2015.
315. [Khan, M. F.](#), Brook M. A., [Zepeda-Velazquez, L.](#) *Tunable, Antibacterial Activity of Silicone Polyether Surfactants*, 98th Canadian Chemistry Conference, Ottawa, Canada, June 13-17, 2015 (won a prize in the Biological Medicinal Student oral competition).
314. [Zhang, J.](#), [Chen, Y.](#), [Sewell, P.](#), Brook, M. A. *Metal-free catalyzing lignin reinforced/crosslinked silicone composites*, 98th Canadian Chemistry Conference, Ottawa, Canada, June 13-17, 2015.
313. [J. Morgan](#), M.A. Brook, *The Benefit(?) of Highly Branched Silicones in Gels*, 98th Canadian Chemistry Conference, Ottawa, Canada, June 2015.
312. [Marlena E. Whinton](#) and Michael A. Brook, *In-Situ Formation of Titanium Dioxide within Silicone Microemulsions to Create Transparent, Nano-structured UV Absorbent Materials*, Society of Cosmetic Chemists Conference, Vaughn, Ontario, May 2015.
311. [Brook, Michael A.](#); [Zhang, Jianfeng](#); Fleury, Etienne, *Reductive Modification of Lignin-Filled Elastomers*, Oral 3<sup>rd</sup> International Symposium of Green Chemistry, La Rochelle France May 3-7, 2015.
310. [Brook, Michael A.](#); [Zhang, Jianfeng](#); Fleury, Etienne, *Compression Molding of Lignin-Filled Elastomers*, Oral 3<sup>rd</sup> International Symposium of Green Chemistry, La Rochelle France May 3-7, 2015.
309. [Laura Dodge](#), [Yunqing Chen](#) and Michael A. Brook, \* Utilizing Reversible Lewis Acid/Base Crosslinking to Make Recyclable Silicone-containing Materials International Symposium on Silicon Chemistry (ISOS XVII), Berlin, Germany, Aug. 2014.

308. [Abidur Rahman](#) and Michael A. Brook,\* *Shear thinning properties of poly(dimethylsiloxane) and poly(ethylene glycol) ABA and BAB block copolymers*, International Symposium on Silicon Chemistry (ISOS XVII), Berlin, Germany, Aug. 2014.
307. [Ayodele Fatona](#), Jose Moran-Mirabal,\* and Michael A. Brook,\* *Fabrication of Amphiphilic PDMS Microarrays via Soft Lithography*, International Symposium on Silicon Chemistry (ISOS XVII), Berlin, Germany, Aug. 2014.
306. [Talena Rambarran](#), [Ferdinand Gonzaga](#), [Michael Coulson](#), Michael A. Brook,\* *Adhesive Silicone Interfaces through Metal-Free Click Chemistry*, International Symposium on Silicon Chemistry (ISOS XVII), Berlin, Germany, Aug. 2014.
305. [Jianfeng Zhang](#), [Yang Chen](#), [Paul D. Sewell](#), and Michael A. Brook\*, *Metal-free reduction of lignin by hydrosilanes*, International Symposium on Silicon Chemistry (ISOS XVII), Berlin, Germany, Aug. 2014.
304. [Marlena Whinton](#) and Michael Brook,\* *Microemulsions as Templates for Nanostructured Hydrogels* International Symposium on Silicon Chemistry (ISOS XVII), Berlin, Germany, Aug. 2014.
303. [Alyssa Schneider](#), [Elizabeth Laidley](#), and Michael Brook,\* *Controlling Arylene Polydimethylsiloxanes in Network Structures* International Symposium on Silicon Chemistry (ISOS XVII), Berlin, Germany, Aug. 2014.
302. [Madiha F. Khan](#), [John Grande](#), and Michael A. Brook,\* *Antibacterial Behavior of Silicone-poly(oxyethylene) Surfactants with Explicit Hydrophobic Heads* International Symposium on Silicon Chemistry (ISOS XVII), Berlin, Germany, Aug. 2014.
301. [Yang Chen](#) and Michael A. Brook, *A simple approach to achieve highly wettable and long-term stable silicone* International Symposium on Silicon Chemistry (ISOS XVII), Berlin, Germany, Aug. 2014.
300. [Erum Mansuri](#), [Laura Dodge](#), [Rolf Schmidt](#), Michael A. Brook, [Christine DeWolf](#), *Surface Behavior of Novel Boronic Acid-Terminated Silicone Surfactants*, 97th Canadian Chemical Society Conference, Vancouver, June 2014.
299. [D. Basker](#), M.A. Brook, K. Saravanamuttu, *A Single Step, Room Temperature, Non-Linear Route to Metal Nanoparticles Embedded in 3D Polymer Microstructures*, 97th Canadian Chemical Society Conference, Vancouver, June 2014.
298. M.A. Brook and [Y. Chen](#), *Facile in-channel hydrophilic modification of PDMS-based microfluidic channels*, 97th Canadian Chemical Society Conference, Vancouver, June 2014.
297. [H. Lin](#), K. Saravanamuttu, [I.D. Hosein](#), [M.R. Ponte](#), [D. Baskar](#) and M.A. Brook, *Multidirectional Waveguide Lattices (MWGLs) for Wide Angle Light Capture*, 97th Canadian Chemical Society Conference, Vancouver, June 2014.
296. [Alyssa Schneider](#), [Elizabeth Laidley](#) and Michael A. Brook,\* *Boron-Catalyzed Reactions to Control Phenyl Group Density in Polydimethylsiloxanes*, 97th Canadian Chemical Society Conference, Vancouver, June 2014.
295. [V. Rajendra](#), [C. Sicard](#), J.D. Brennan, [M. A. Brook](#), *Ink-jet printed silicone hydrophobic barriers on paper-based microfluidics* (poster), Biosensors 2014, Melbourne Australia, May 2014.
294. [M.A. Brook](#), [Y. Chen](#), *Facile in-channel hydrophilic modification of PDMS-based microfluidic channels* (poster), Biosensors 2014, Melbourne Australia, May 2014.

293. [T. Rambarran](#), [F. Gonzaga](#), M. A. Brook, *Metal-Free Click Assembly of Amphiphilic Silicone Architectures*, International Workshop on Organosilicon Polymers ISPO, Moscow Russia, Sept. 2013.
292. [Laura C. Dodge](#) and Michael A Brook, *Novel silicone elastomers based on Lewis acid/Lewis base crosslinking*, 246th American Chemical Society Meeting, Indianapolis, Sept. 11, 2013.
291. [T. Rambarran](#), [F. Gonzaga](#) and M. A. Brook, *Assembly of New Silicone Architectures from a Metal-Free Click Strategy*, 96th Canadian Chemistry Conference, Quebec, May 2013.
290. [M.F. Khan](#), M. Whinton and M.A. Brook, *Escherichia coli adhesion as a function of surface wettability: a systematic study*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.
289. [Vinodh Rajendra](#) and Michael A. Brook, *An alternative route for the formation of siloxane based films via hydro/alkoxysilane condensation*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.
288. [A. Szelag](#), T.P. Bender, [C. Bonnier](#), M.A. Brook, *Functionalization of Indium Tin Oxide surface via Piers-Rubinsztajn process*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.
287. [T.R. Ulrich](#) and M.A. Brook, *An Extended Study of the Effect of Betadine on Silicone Elastomers*, 96th Canadian Chemistry Conference, Quebec, May 2013.
286. [J. Zhang](#) and M.A. Brook, *Surface modification on thiol-functionalized PDMS*, 96th Canadian Chemistry Conference, Quebec, May 2013
285. [M.A. Brook](#) and [J. Zhang](#), *Directed Functionality on Thiol-on-Silicone Surfaces*, 96th Canadian Chemistry Conference, Quebec, May 2013.
284. [Y. \(Kay\) Chen](#), M.A. Brook, [M.F. Khan](#), [V. Delhorbe](#), *Controlling the wettability of acrylate polymers*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.
283. [Marlena E. Whinton](#) and Michael A. Brook, *Structural evolution of silicone microemulsion polymerization: the effect of interpenetrating network formation on nanoscale morphology and control*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.
282. [L. Dodge](#) and M. A. Brook, *Novel Silicone Elastomers Based on Lewis acid / Lewis base Crosslinking*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.
281. [J.B. Grande](#) and M.A Brook\*, *Controlling Silicone Architectures: Developing A Rapid and Efficient Method to Prepare Large, Explicit Silicones*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013
280. [Abidur Rahman](#) and Michael A. Brook, *Effects of block size on shear thinning properties of poly(dimethylsiloxane)(PDMS) and poly(ethylene glycol)(PEG) block copolymers*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.
279. [M.A. Brook](#) and [M. Whinton](#), *Controlling Nanodomain Dimensions in Polymerized Bicontinuous Microemulsions*, 96th Canadian Chemistry Conference, Quebec, May 2013.
278. [Amanda S. Fawcett](#) and Michael A. Brook, *Photoactive thermoplastic elastomers: recyclable silicones?* 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.
277. [D. Baskar](#), K. Saravanamuttu\* and Michael A. Brook, *Modulation instability and spontaneous pattern formation in epoxides through photolytic polymerization*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.

276. [Erum Mansuri](#), [Laura Dodge](#), [Rolf Schmidt](#), Michael A. Brook, and Christine DeWolf, *Surface properties of novel boronic acid-derived silicone bola-amphiphiles*, 96<sup>th</sup> Canadian Chemistry Conference, Quebec, May 2013.
275. [Jianfeng Zhang](#), [Madiha F. Khan](#), and Michael A. Brook, *Surface modification on thiol-functionalized PDMS for potentially antibacterial biomaterials*, 245<sup>th</sup> ACS National Meeting, New Orleans LO March 2013.
274. [Vinodh Rajendra](#) and Michael A. Brook, *Active Alcoholic Solutions and S/W Emulsions for the Formation of Siloxane Based Films from Hydrosilane/Alkoxysilane Condensation*, 245<sup>th</sup> ACS National Meeting, New Orleans LO March 2013.
273. [Jason Jianfeng Zhang](#), [Yang Chen](#) and Michael A. Brook, *Surface Modification of Thiol-Functionalized PDMS Surfaces*, Silicon-Containing Polymers and Composites, San Diego, USA Dec. 2012 (poster).
272. [Anna Szeląg](#), Timothy P. Bender and Michael A. Brook,\* *Surface chemistry on ITO surface via the Piers-Rubinsztajn reaction*, 245<sup>th</sup> ACS National Meeting, New Orleans LO March 2013.
271. [Talena Rambarran](#), [Ferdinand Gonzaga](#) and Michael A. Brook, *Amphiphilic Siloxane Architectures Using Sequential, Metal-Free Click Ligations*, Silicon Containing Polymers and Composites, San Diego, USA Dec. 2012 (poster).
270. [M. Whinton](#), [Y. Chen](#), and M. A. Brook, *Nanostructured, Polymerized Microemulsions as Novel Ophthalmic Materials*, NanoOntario, Waterloo Canada, Oct. 12, 2012.
269. [Anna Szeląg](#) and Michael A. Brook *Modification of Surfaces via the Piers-Rubinsztajn Reaction*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
268. [Nicholas Luong](#) and Michael A. Brook *Tuning the Hardness and Wettability OF Methacrylate Copolymers Using Polymerizable Trisiloxane Surfactants*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
267. [Amanda S. Fawcett](#) and Michael A. Brook, *Photo- and Thermo-Responsive Silicones*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
266. [Madiha F. Khan](#), [Marlena Whinton](#), Michael A. Brook, *Cellular Adhesion as a Function of Surface Wettability: A Systematic Study*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
265. [Jianfeng Zhang](#), [Yang Chen](#) and Michael A. Brook, *Surface functionalization of PDMS elastomer with thiol groups via base-catalyzed silanization*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
264. [Laura Dodge](#), and Michael A. Brook, *Unique Properties of a New Class of Silicone Compounds Containing Boronic Acids*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
263. [Elizabeth K. Laidley](#) and Michael A. Brook, *Synthesis of Redox-Active Explicit Silicones*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
262. [Michael A. Brook](#), [Yongxin Wang](#), [Yang Chen](#), [Anne-Sophie Grand](#), *Permanently Water Wettable Silicone Elastomers*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
261. [John B. Grande](#) and Michael A. Brook, *New Routes to Functional Silicones: The Design and Synthesis of Explicit 3-D Siloxane Macrostructures*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.

260. [M. Whinton](#), [Y. Chen](#), and M.A. Brook, *Morphological Control in Microemulsion Elastomers*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
259. [Ferdinand Gonzaga](#), [Talena Rambarran](#) and Michael A. Brook, *Metal-free Cross-linking and Modification of Silicone Elastomers Using Click Ligation*, 44<sup>th</sup> Silicon Symposium, St. Catharines, Canada, June 14-16, 2012.
258. [John B. Grande](#) and Michael A. Brook, *New Routes to Functional Silicones: The Design and Synthesis of Explicit 3-D Siloxane Macrostructures*, 95<sup>th</sup> Annual Canadian Chemistry Conference, Calgary AB, May 26-30, 2012.
257. [Amanda S. Fawcett](#) and Michael A. Brook, *Thermal- and Photo-responsive Silicones*, 95<sup>th</sup> Annual Canadian Chemistry Conference, Calgary AB, May 26-30 2012. MSED Award, second place.
- 256 [Ferdinand Gonzaga](#), [Talena Rambarran](#) and Michael A. Brook, *Reactive, functional silicone elastomers via metal free click chemistry*, 243<sup>rd</sup> American Chemical Society Conference, San Diego CA, March 2012.
255. [Michael A. Brook](#), [Yongxin Wang](#), [Yang Chen](#), and [Anne-Sophie Grand](#), *Permanently Water Wettable Silicone Elastomers*, 243<sup>rd</sup> ACS National Meeting, San Diego CA March 2012.
- 254 [Vinodh Rajendra](#) and Michael A. Brook, *Controlling the morphology of silica particles formed in non-aqueous silicone dispersions*, 243<sup>rd</sup> ACS National Meeting, San Diego CA March 2012.
- 253 [John Grande](#) and Michael A. Brook, *The Piers-Rubinsztajn Reaction: B(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub>'s Role in the Synthesis of Explicit Silicone Structures*, IME Boron XIV, Niagara Falls, Canada, Conference - September 11-15 2011.
- 252 [Laura Dodge](#), [Yang Chen](#), Michael A. Brook, *Boronic Acid-Functionalized Silicones*, IME Boron XIV, Niagara Falls, Canada, Conference - September 11-15 2011.
- 251 [Michael A. Brook](#), [John Grande](#), [Ferdinand Gonzaga](#), and [Amanda Fawcett](#), [Mark Pascoal](#) and [Vinodh Rajendra](#), *Forming explicit functional silicones from hydrosilanes and alkoxy silanes using B(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub> catalysis*, IME Boron XIV, Niagara Falls, Canada, Conference - September 11-15 2011.
- 250 [Fawcett, A.S.](#); Brook, M.A., *Photoresponsive Silicones for Ophthalmic Drug Delivery*, 16<sup>th</sup> International Symposium on Silicon Chemistry (XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 183.
- 249 Brook, M.A.; [Khan, M.F.](#); [Chen, D.](#); [Whinton, M.](#), *Biological Response to Highly Wettable Silicone Surfaces*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 197.
- 248 [Vanderkooy, A.](#); Brook, M.A., *Controlling the Photoresponse of Aggregated Silica-Capped Gold Nanoparticles*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 232.
- 247 [Rambarran, T.](#); [Gonzaga, F.](#); Brook, M.A., *Functional Silicone Elastomers by 'Click' Chemistry*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 2011, Abs. 220.
- 246 [Dodge, L.](#); [Chen, Y.](#); [Gonzaga, F.](#); Brook, M.A., *Boronic Acid-Functionalized Silicones*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 16.

- 245 [Whinton, M.](#); [Li, N.](#); [Chen, Y.](#); Brook, M.A., *Preparation and Polymerization of Silicone Microemulsions*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 44.
- 244 [Zhang, J.](#); [Chen, Y.](#); Brook, M.A. *Thiol Functionalized PDMS Surface for Improvement of Hydrophilicity*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 123.
- 243 [Gonzaga, F.](#); Brook, M.A., *Citrate-silicone reactive surfactants and their application to the structured synthesis of noble metal nano-architectures*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 71.
- 242 [Pascoal, M.](#); [Gonzaga, F.](#); Brook, M.A., *Derivatization of Silicone Polymers via 1,3-Dipolar Cycloadditions of Activated Alkynes*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 96.
- 241 [Wang, Y.](#); [Gonzaga, F.](#); [Chen, Y.](#); [Grand, A.S.](#); Brook, M.A., *Permanently Water Wettable Silicone Elastomers*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 60.
- 240 [Rajendra, V.](#); [Gonzaga, F.](#); Brook, M.A., *Controlling the Morphology of Silica Particles formed in Non-aqueous Silicone (Pre)elastomer Dispersions*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 100.
- 239 [Grande, J.B.](#); Brook, M.A., *The Piers-Rubinsztajn Reaction: A New Strategy for the Synthesis of Functional Silicones*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 72.
- 238 [Sheardown, H.D.](#); [Liu, L.](#); [Klenkler, B.](#); Brook, M.A., *Silicones and Modified Silicones at Biological Interfaces*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, Abs. 410.
- 237 [T. Rambarran](#), [F. Gonzaga](#) and M.A. Brook, *Using Interfacial Click Chemistry to Structure Silicone Elastomers*, 16<sup>th</sup> International Symposium on Silicon Chemistry (ISOS XVI), Hamilton Canada, Aug. 14-18, 2011, No Abs. number, last minute invited oral presentation.
- 236 [Michael A. Brook](#), [Yongxin Wang](#), [Yang Chen](#), [Anne-Sophie Grand](#), *Permanently water wettable silicone elastomers*, 85th ACS Colloid and Surface Science Symposium, Montreal, June 2011, Abs. 354.
- 235 [Vinodh Rajendra](#), [Ferdinand Gonzaga](#), [Michael A. Brook](#), *Controlling the morphology of silica particles formed in non-aqueous silicone (pre)elastomer dispersions*, 85th ACS Colloid and Surface Science Symposium, Montreal, June 2011, Abs. 565.
- 234 [M. F. Khan](#), [Y. Shao](#), [M. A. Brook](#), [Y. Wang](#) and [Y. Chen](#), *Biological Responses to Highly Wettable Silicone Surfaces*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 437.
- 233 [T. Rambarran](#), [F. Gonzaga](#) and [M. A. Brook](#), *Synthesis and Modification of Silicone Elastomers via the Huisgen 1,3-Dipolar Cycloaddition*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 8, 2011, Abs. 1529.
- 232 [M. Whinton](#), [Y. Chen](#), and [M. A. Brook](#), *Preparation and Polymerization of Bicontinuous Silicone Microemulsions*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 1530.

- 231 [M. Pascoal](#), [F. Gonzaga](#) and M.A. Brook, *Derivatization of Silicone Polymers via 1,3-Dipolar Cydoadditions of Activated Alkynes*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 1366.
- 230 [A. S. Fawcett](#) and M. A. Brook, *Photoresponsive Silicones for Ophthalmic Drug Delivery*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 284.
- 229 [V. Rajendra](#), [F. Gonzaga](#), and M. A. Brook, *Formation of Silica Particles in Hydrophobic Systems and their Morphology*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 1413.
- 228 [A. Vanderkooy](#) and M. A. Brook, *Controlling the Photoresponse of silica-capped gold nanoparticles*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 1407.
- 227 [M. A. Brook](#), [F. Gonzaga](#), [J. B. Grande](#), [M. Pascoal](#), [A. Fawcett](#) and [T. Rambarran](#), *Metal Catalyst-Free Silicone Elastomers*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 1730.
- 226 [J. B. Grande](#) and M. A. Brook, *The Piers-Rubinsztajn Reaction: A New Strategy for the Synthesis of Functional Silicones*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 1748.
- 225 [F. Gonzaga](#) and M.A. Brook, *Improved Synthesis of High Generation Dendrimers via Metal-Free Click Chemistry*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 1346.
- 224 [L. Dodge](#), [J. Grande](#), [F. Gonzaga](#) and M.A. Brook, *Highly Active Electrophiles In the Formation of Silicones from Hydrosilanes*, 94<sup>th</sup> Canadian Chemical Conference, Montreal, June 6-10, 2011, Abs. 1329.
- 223 [Michael A. Brook](#) and [Lamees Nayef](#), *Protein Denaturation and Aggregation: The Role of Silicone Lubricants in Syringes*, The Australasian Society for Biomaterials and Tissue Engineering, 27th - 29th April 2011, Queenstown, New Zealand.
- 222 [Ferdinand Gonzaga](#) and Michael A. Brook, *Metal-free Click chemistry: a versatile and efficient access to new functional polysiloxanes and elastomers*, Silicon-Containing Polymers and Nano-Composites, December 11 - 14, 2010, San Diego California USA.
- 221 [Ferdinand Gonzaga](#) and Michael A. Brook, *Silicone-Citrate surfactants: reducing- and structure-directing agents in the synthesis of novel gold nano-architectures*, Silicon-Containing Polymers and Nano-Composites, December 11 - 14, 2010, San Diego California USA.
- 220 [Ferdinand Gonzaga](#) and Michael A. Brook, *Metal-free Click chemistry: a versatile and efficient access to new functional polysiloxanes and elastomers*, 7<sup>th</sup> International Workshop of Silicon-based Polymers (ISPO), Łódź, Poland, 27-30 June 2010.
- 219 [Alan Vanderkooy](#) and Michael A. Brook, *Gold-Silica Core-Shell Nanoparticles Used in Concert with Bacteriophage for Bacterial Detection*, 28<sup>th</sup> Canadian Biomaterials Society, Queen's University, June 2010 (first prize, poster).
- 218 [A.S. Fawcett](#), M.A. Brook, *Photodimerization of Cinnamic Acid-Modified Silicones for Reversible Crosslinking*, 28<sup>th</sup> Canadian Biomaterials Society, Queen's University, June 2010.

- 217 Helen So, Michael A. Brook and Heather Sheardown. *Release of Biomolecules from Silicone Foams*, 28th Canadian Biomaterials Meeting, Kingston, ON, May 29-June 2, 2010, Talk.
- 216 Na Li and Michael A. Brook, *The Potential Utility of Polymeric Microemulsion Gels for Drug Delivery*, 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON May 29-June 2, 2010.
- 215 John B. Grande and Michael A. Brook, *Testing the Functional Tolerance of the Piers Rubinsztajn Reaction: A New Strategy for the Synthesis of Functional Silicones*, 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON May 29-June 2, 2010.
- 214 Lamees Nayef and Michael A. Brook *Protein denaturation is particularly facilitated by low molecular weight silicones in oil in water (O/W) emulsions*, 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON May 29-June 2, 2010.
- 213 Marlena Whinton, Michael A. Brook, Lamees Nayef and Helen So, *The Internal Structuring of a Silicone Polymer for Controlled Release*, 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 29-June 2, 2010. Rubinsztajn
- 212 Helen So, Michael A. Brook and Heather Sheardown. *Release of Biomolecules from Silicone Foams*, 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON May 29-June 2, 2010.
- 211 Alan Vanderkooy and Michael A. Brook, *Gold-Silica Core-Shell Nanoparticles Used in Concert with Bacteriophage for Bacterial Detection*, 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 29-June 2, 2010. Abstract # 732.
- 210 Laurent Fertier, Michael A. Brook, *Surface modification for supported bacteriophage on silica surface*, 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 29-June 2, 2010.
- 209 Vinodh Rajendra, Michael A. Brook, *Formation of Silica Microspheres in Non-Aqueous Dispersions*, 93rd Canadian Chemistry Conference and Exhibition, Ontario; Toronto, May 29-June 2, 2010
- 208 A.S. Fawcett, M.A. Brook, *Photodimerization of Cinnamic Acid-Modified Silicones for Reversible Crosslinking*, 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 29-June 2, 2010, presentation number 973.
- 207 Laurent Fertier and Michael A. Brook *Surface modification using silicone for supported bacteriophage*, 43 Organosilicon Symposium, St. Louis, Missouri, May 20-22, 2010.
- 206 Vinodh Rajendra, Michael A. Brook, *Formation of Silica Microspheres in Non-Aqueous Dispersions*, 43rd Silicon Symposium, Missouri; St. Louis, May 2010, DMEWJ6.ABS
- 205 Alan Vanderkooy and Michael A. Brook, *Gold-Silica Core-Shell Nanoparticles Used in Concert with Bacteriophage for Bacterial Detection*, 43 Organosilicon Symposium, St. Louis, Missouri, May 20-22, 2010.
- 204 Vinodh Rajendra, Helen So, Michael A. Brook, *Structured Silicone Elastomers for Drug Delivery*, Association for Research in Vision and Ophthalmology's 2010 Annual Meeting (ARVO), Florida; Fort Lauderdale, May 2010.
- 203 Helen So, Michael A. Brook and Heather Sheardown. *Release of Biomolecules from Silicone Foams*, ARVO, Ft Lauderdale, May 2010, Poster A237.
- 202 A.S. Fawcett, M.A. Brook, *Photodimerization of Coumarin-Modified Silicones for Ophthalmic Drug Delivery*, ARVO, Fort Lauderdale, FL, May 2010, 5316 - A244



- 201 Michael A. Brook, Ferdinand Gonzaga and Gilbert Yu, *Metal Free Click Chemistry: A New Paradigm For RTV Silicones?* European Silicon Days, Vienna Austria, Sept. 2009. Oral.
- 200 Yang Chen and Michael A. Brook, *Dual Cure Silicone System For Geometric Control of Hardness*, European Silicon Days, Vienna Austria, Sept. 2009, Poster.
- 199 David B. Thompson, John Grande and Michael A. Brook, *Controlled Geometry Functional Silicones Using B(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub>-Catalyzed Condensation*, 238<sup>th</sup> American Chemical Society National Meeting, Washington DC, August 2009, Abstract 1299138.
- 198 Ferdinand Gonzaga and Michael A. Brook, *Citrate surfactants as reducing- and structure-directing agents: synthesis of novel gold nano-architectures*. GOLD 2009, The 5th International Conference on Gold Science, Technology and Its Applications, Heidelberg, July 2009.
- 197 A. Vanderkooy and M. A. Brook, *Strategies for Using Gold Nanoparticles to Detect E. coli on Silica Surfaces Modified with Bacteriophage*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, poster (student poster first prize winner).
- 196 Helen So, Michael A. Brook and Heather Sheardown, *Surprising control of viscosity on PEG/Silicone mixtures*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, poster.
- 195 Amanda Fawcett and Michael A. Brook, *Foam Generation Through Viscosity Control by Allyl PEG*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, poster.
- 194 Y. Shao and M.A. Brook, *Structuring Silicone Interfaces*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, poster.
- 193 J. Grande and M.A. Brook, *The Synthesis and Design of New, Explicit 3D Siloxane MacroSurfactants*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, oral.
- 192 Yang Chen and Michael A. Brook, *Starch Templates Silica Structures During Sol-Gel Processing*, 42nd Organosilicon Symposium, Long Branch, NJ, June 2009, oral.
- 191 V. Rajendra, Y. Chen, R. d'Souza and M. A. Brook, *Controlled Morphology of Silicone Elastomers*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, oral.
- 190 Y. Shao and M.A. Brook, *Structuring Silicone Interfaces*, 92<sup>nd</sup> Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 1568, oral.
- 189 F. Gonzaga, G. Yu and M.A. Brook, *Click Silicones*, 92<sup>nd</sup> Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 478, oral.
- 188 V. Rajendra, Y. Chen, R. d'Souza and M. A. Brook *Controlled Morphology of Silicone Elastomers*, 92<sup>nd</sup> Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 1382, oral.
- 187 A. S. Fawcett and M. A. Brook, *Synthesizing Artificial Vitreous Humor*, 92<sup>nd</sup> Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 1503, oral.
- 186 S.D. Aguirre, M.A. Brook, and Y. Li, W. Zhao, M. M. Ali, *Colorimetric Paper Based Bioassays Using Gold Nanoparticle Probes*, 92<sup>nd</sup> Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 114, oral.
- 185 H. So and M. A. Brook, *Influence of PEO-Modified Silicone on Viscosity*, 92<sup>nd</sup> Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 633, poster.
- 184 J. Grande and M.A. Brook, *The Synthesis and Design of New, Explicit 3D Siloxane MacroSurfactants*, 92<sup>nd</sup> Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 99, oral.

- 183 A. Vanderkooy and M. A. Brook, *Strategies for Using Gold Nanoparticles to Detect E. coli on Silica Surfaces Modified with Bacteriophage*, 92<sup>nd</sup> Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 960, poster.
- 182 D. J. Durbin and M. A. Brook, *Towards the Synthesis of Biocompatible, Non-Adhesive, Absorbent Wound Dressings*, 92<sup>nd</sup> Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 1146, undergraduate poster, Winner in Organic section.
- 181 Zhao, W., Ali, M. M., Brook, M. A., and Li, Y. *Paper-based bioassays using gold nanoparticle colorimetric probes*. Bioactive Paper Conference, Espoo, Finland, June 24-26. 2008 (Oral presentation) (International).
- 180 Zhao, W., Ali, M. M., Aguirre, S. D., Brook, M. A., and Li, Y. *Biodetection kits using gold nanoparticle-coated paper*. McMaster Innovation Showcase, Hamilton, Canada. June 5-6. 2008 (Poster presentation) (Provincial).
- 179 A. Adronov, M. A. Brook, F. Gonzaga, J. Huang, G. Lawson, *Au Carbon Nanotube Composites from Self-Reduction of Au<sup>3+</sup> upon Poly(ethylene imine) Functionalized SWNT Thin Films*, Canadian Society for Chemistry, Edmonton, May 2008, ABS 698.
- 178 Li, Y.; Ali, M. M.; Zhao, W.; Brook, M.A. *Applying Rolling Circle Amplification (RCA) to DNAzyme Mediated Chemical Reactions for Biosensing*, Chemical Society of Canada National Conference, Edmonton, May 2008 ABS 1407.
- 177 Lu Ye, Carlos D. M. Filipe, Michael A. Brook, Robert Pelton, *Targeted Flocculation and Killing of Bacteria with Antibody-TiO<sub>2</sub> Nanoparticles*, ACS National Meeting, Philadelphia, 2008. Paper 1196269
176. Rebecca Voss and Michael A. Brook *Bacteria seeing red: isolation and detection of bacteria in resource-poor settings using silica, paper and bacteriophage* Biomaterials Symposium, Chemical Society of Canada National Conference, Edmonton, May 2008, ABS1391.
175. Babu R. Prasad. B, Yuri Rochev, Terry Smith, Michael A. Brook, Shigui Zhao, Heather Sheardown, *Controlling Fibroblast Cellular Activity with Silicone Surface Roughness*, World Biomaterials Congress, Amsterdam, May 2008.
174. Renita D'souza, Zaid Mammo, Michael A. Brook, Heather D. Sheardown, *Modulating cell behavior on modified PDMS by controlling roughness, hydrophilicity and peptides presentation*, World Biomaterials Congress, Amsterdam, May 2008.
173. Weian Zhao, Jeffrey Lam, William Chiuman, Michael A. Brook\*, and Yingfu Li.\* *A Generic Colorimetric Biosensing Assay Using Surface Charge-mediated Gold Nanoparticle Aggregation*. Materials Research Society (MRS) fall meeting 2007, Boston, Nov 26-30.
172. Weian Zhao, Jeffrey Lam, William Chiuman, Michael A. Brook and Yingfu Li, *A Generic Colorimetric Biosensing Assay Using Surface Charge-Mediated Gold Nanoparticle Aggregation*, Biocontact 2007, Quebec City, Oct. 2007, invited poster.
171. Michael A. Brook and Yang Chen, *Food for Thought: Using Biological Processes to Control Silica Structure*, XIV<sup>th</sup> International Sol-Gel Conference Montpellier, Sept. 2007, ABS O-14.
170. Rebecca Voss, Jordan Thomson, Yang Chen, John D. Brennan and Michael A. Brook,\* *Proteins in silica particle – a biocompatible version of the Stöber Process*, XIV<sup>th</sup> Conference on Sol Gel Chemistry, Montpellier, France, Sept. 2007, Abstract 039.

169. M. A. Brook, R. Voss, J. Thomson<sup>1</sup>, Y. Chen, R. H. Pelton and J. D. Brennan, *Preparation of silica particles under biocompatible conditions*, American Chemical Society, Boston, Aug. 2007, Abs. 457.
168. Weian Zhao, Yan Gao, Srinivas A. Kandadai, Michael A. Brook,\* and Yingfu Li\*, *DNA-Gold Nanoparticle Scaffold for Three-Dimensional Periodic Nanoassembly*, Materials Research Society, Boston, Nov. 2006, Abs: 266322.
167. Rebecca Voss, Yang Chen, John D. Brennan, Robert H. Pelton and Michael A. Brook\*, *The Detection of Pathogens with Modified Silica Particles on Paper*, Materials Research Society (MRS), Boston, Nov. 2006, Abs: 264736.
166. Michael A. Brook,\* Lihua Liu, Heather Sheardown,\* Yang Chen and Diana Morarescu, *Silicones at the Ophthalmic Interface: Controlling Surface Roughness and (Bio)Chemistry*, Materials Research Society, Boston, Nov. 2006, Abs: 265882.
165. Michael A. Brook,\* Lihua Liu, Heather Sheardown,\* Yang Chen and Diana Morarescu, *Biocompatible Ophthalmic Silicone Surfaces: Controlling Surface Roughness and (Bio)Chemistry*, European Biomaterials Society, Nantes France, Sept. 2006.
164. Gonzaga, F., Brook, M. A. *Structuring noble metal nanoparticles in multilayered silicone surfactants*, 4<sup>th</sup> Nanoforum, Edmonton Alberta June 2006, Abstract
163. W. Zhao, M. A. Brook, 89<sup>th</sup> Conference of The Canadian Society for Chemistry, Halifax NS, May 2006, Abstract.
162. Voss, Rebecca; Chen, Yang; Brennan, John D.; Brook, Michael A. *A biocompatible process for the preparation of macro-porous silica materials*. 38<sup>th</sup> Central Regional Meeting of the ACS, Frankenmuth, MI, United States, CRM 341 May 16-20, 2006.
161. Brook, Michael A.; Sheardown, Heather D.; Chen, Daniel; Ragheb, Amro; Chen, Hong. *Structuring silicone interfaces with hydrophilic biocompatible polymers*. 38<sup>th</sup> Central Regional Meeting of the ACS, Frankenmuth, MI, United States, CRM 322 May 16-20, 2006.
160. Ye, Lu; Pelton, Robert; Brook, Michael. *Bio-Conjunction of Streptavidin on SiO<sub>2</sub> and TiO<sub>2</sub> Particles*. 38<sup>th</sup> Central Regional Meeting of the ACS, Frankenmuth, MI, United States, CRM 299 May 16-20, 2006.
159. Zhao, Weian; Pacard, Elodie; Chaix, Carole; Pichot, Christian; Brook, Michael A., *Surface Functionalization of Silica Nanoparticles for Direct Synthesis of DNA Capture Oligomers*, 38<sup>th</sup> Central Regional Meeting of the ACS, Frankenmuth, MI, United States, CRM 297 May 16-20, 2006.
158. Lucy Ye, Michael Brook, Robert Pelton, *Biotinylation of TiO<sub>2</sub> nanoparticles and their colloidal stability*, 92<sup>nd</sup> Annual Meeting Paperweek 2006, Montreal, QC, Canada, poster.
157. Lucy Ye, Michael Brook, Robert Pelton, *A Platform of Immobilization of Proteins on TiO<sub>2</sub> Nanoparticles*, 92<sup>nd</sup> Annual Meeting Paperweek 2006, Montreal, QC, Canada, oral presentation.
156. Lucy Ye, Michael Brook, Robert Pelton, *Biotinylation of TiO<sub>2</sub> Nanoparticles and Their Colloidal Stabilities* February 6~10, 2006, 55<sup>th</sup> Canadian Chemical Engineering Conference, Toronto, Canada.
155. Peter Kovarik, Thomas R. Covey, Richard J. Hodgson, Michael A. Brook and John D Brennan\*. *Compound Screening using Capillary Scale Frontal Affinity*

- Chromatography/MALDI Tandem Mass Spectrometry*. 53<sup>rd</sup> American Society for Mass Spectrometry Conference, San Antonio, TX, 2005.
154. Gina Dimopoulos-Italiano<sup>1</sup>, Michael A. Brook, [Amro M. Ragheb](#), [M. Kirk Green](#). *LCMS Analysis of Squalene Derivatives using ESI with Post-Column Addition of Ag<sup>+</sup>* 53<sup>rd</sup> American Society for Mass Spectrometry Conference, San Antonio, TX, 2005.
  153. [R.J. Hodgson](#), [T.R. Besanger](#), M.A. Brook and J.D. Brennan\*. *Inhibitor Screening using Enzyme Reactor Chromatography/Tandem Mass Spectrometry*. 53<sup>rd</sup> American Society for Mass Spectrometry Conference, San Antonio, TX, 2005.
  152. [F. Gonzaga](#) and M. A. Brook, *Polycarboxylate Chelating Silicone Amphiphiles*, ISOS XIV International Organosilicon Symposium, Würzburg Germany, August 2005.
  151. [D. B Thompson](#) and M. A. Brook, *Silicone Protected Carbohydrates*, ISOS XIV International Organosilicon Symposium, Würzburg Germany, August 2005.
  150. [Lu Ye](#), Robert Pelton, Michael Brook, Covalent attachment of biotin to TiO<sub>2</sub> nanoparticles, 79<sup>th</sup> ACS colloid and surface science symposium, Potsdam, New York, USA, June 13-15, 2005, Abstract No. 7-27.
  149. [Weian Zhao](#), Elodie Pacard, Carole Chaix, Christian Pichot and Michael A. Brook\*, Controlled Silica Nanoparticle Aggregates for Oligonucleotide Synthesis, 38th Silicon Symposium, Boulder, Colorado, June 2005, Abstract; P17
  148. [Gina Dimopoulos-Italiano](#); Michael A. Brook; [Amro Ragheb](#); [M. Kirk Green](#), *LCMS Analysis of Squalene Derivatives using ESI with Post-column Addition of Ag<sup>+</sup>*, **53rd ASMS Conference on Mass Spectrometry, June 5 - 9, 2005, San Antonio, Texas, Section ThP06, Poster Number: 102.**
  147. Gao, Y., Amarne, H., Brook, M. A., Sheardown, H. Bandage Contact Lenses: Silicon Oil for Interfacial Control EMK Meeting: Toronto, Canada, June, 2005.
  146. [Elodie Pacard](#), Michael A. Brook, Christian Pichot, Carole Chaix, [Amro M. Ragheb](#), *Elaboration of silica/polymer hybrid support for oligonucleotide synthesis and biodiagnostics*, IUPAC World Polymer Congress, Paris, July 2004.
  145. [Scott L.E.](#), [Zelisko P.M.](#), Brook M.A. *Heparin Entrapped in Water-in-Silicone Oil Emulsions: A Possible Delivery Vehicle for Oral Heparin*, 87th Canadian Chemistry Conference, London ON May 2004, Abstract 751.
  144. [Ragheb A.M.](#), [Hrynyk M.](#), Brook\* M.A. *The Use of Poly(ethylene glycol) to Stabilize Enzymes in Silicone Rubber*, 87th Canadian Chemistry Conference, London ON May 2004, Abstract 162.
  143. John Brennan, Michael Brook, Xiaoming Zhao, Yang Chen, Richard Hodgson, Hong Long, Dina Tleugabulova, Zheng Zhang, Blaise N'Zemba, and [Michael G. Organ](#), *New Advances in the Screening of Compound Mixtures*, Chemistry and Biology: Partners in Decoding the Genome, The National Institutes of Health, Bethesda, Maryland, March 15-16, 2004.
  142. [Chen, H](#); Sheardown, H; Brook, MA, *Generic Modification Method for Creating Biocompatible Silicone Elastomers*, International Conference and Workshop on Physical Chemistry of Bio-Interfaces, Barossa Valley, Australia, May 2004.
  141. [Paul M. Zelisko](#), Lauren E. Scott, and Michael A. Brook, *The Delivery of Proteins from Water-in-Silicone Oil Emulsions*, International Conference and Workshop on Physical Chemistry of Bio-Interfaces, Barossa Valley, Australia, May 2004.

140. Amro M. Ragheb, Stefanie A. Mortimor, Susan Jo, Michael Hrynyk and Michael A. Brook, Silicone rubber for drug delivery applications: The effect of poly(ethylene glycol) on the drug delivery process, International Conference and Workshop on Physical Chemistry of Bio-Interfaces, Barossa Valley, Australia, May 2004.
139. Zheng Zhang, Yang Chen, Dina Tleugabalova, John D. Brennan and Michael A. Brook, Immobilization of Proteins within Silica and Bioanalysis Applications of Protein Entrapped Silica Monolith, International Conference and Workshop on Physical Chemistry of Bio-Interfaces, Barossa Valley, Australia, May 2004.
138. Paul M. Zelisko, Jill J. Coo-Ranger, and Michael A. Brook, Water-in-Silicone Oil Emulsions as Delivery Vehicles for Proteinaceous Materials, International Conference and Workshop on Physical Chemistry of Bio-Interfaces, Barossa Valley, Australia, May 2004.
137. Chen, H, Brook, MA, Sheardown, H. *Protein –rejecting Silicone Surface Immobilization of Poly(ethylene oxide) by Covalent Bonds*, 7<sup>th</sup> International Biomaterials Conference, Sydney, Australia, May 2004, Abstract 653.
136. Brook, MA, Brennan, J, Zhang, Z, Chen, D., Gao, Y. *Proteins trapped in porous silica: Biomaterials Scaffolds*. 7<sup>th</sup> International Biomaterials Conference, Sydney, Australia, May 2004, Abstract 590.
135. Zhang, Z, Chen, Y, D'souza, R, Brennan, JD, and Brook, MA, *Biocompatible Macroporous Silica Monoliths with Entrapped Proteins*, 7<sup>th</sup> International Biomaterials Conference, Sydney, Australia, May 2004, Abstract 1323
134. Ragheb, AR, Hrynyk, M, Brook, MA, *Silicone-Lipase Composite: Affecting Protein-Silicone Interaction By Tailoring The Polymeric Structure*, 7<sup>th</sup> International Biomaterials Conference, Sydney, Australia, May 2004, Abstract 1748.
133. Amarne, H., Gao, Y., Guo, J., Chen, H., Sheardown, H., Brook, M. A. Silicon Lenses for the Mitigation of Scarring in the Eye MMO and EMK Meeting: Toronto, Canada, June, 2004.
132. Zelisko, PM, Ranger-Coo, J, and Brook, MA, *Water-in-Silicone Oil Emulsions as Delivery Vehicles for Proteinaceous Materials*, 7<sup>th</sup> International Biomaterials Conference, Sydney, Australia, May 2004, Abstract 835.
131. Chen, H, Brook, MA, Sheardown, H. *Controlled Morphology PEO-Silicone Composites Have Protein Rejecting Surfaces*, 7<sup>th</sup> International Biomaterials Conference, Sydney, Australia, May 2004, Abstract 22.
130. Brook, M. A. *Breast Implant Lawsuits – A Tempest in a C-Cup?* Rotary Lunchtime Lectures, Feb. 2004, Hamilton.
129. Amro Ragheb, Hong Chen, Meghan L. Marshall, Michael Hrynyk, Heather Sheardown and Michael A. Brook, *Controlling Protein Deposition at Silicone Elastomer Interfaces*, 227th ACS National Meeting, Anaheim, CA, March, 2004.
128. Jill J. Coo-Ranger, Paul M. Zelisko, Michael A. Brook, *Ionic silicone surfactants in water-in-silicone oil emulsions containing proteins*, 227th ACS National Meeting, Anaheim, CA, March, 2004, Abstract POL 510.
127. Paul M. Zelisko, Jill J. Coo-Ranger, and Michael A. Brook, *The Interaction of Proteins with Functionalized Silicones*, 227th ACS National Meeting, Anaheim, CA, March 2004, Abstract POL 391.

126. Michael A. Brook, Paul Zelisko, Hong Chen, Muxin Liu, Amro Ragheb, Michael Hrynyk, and Heather Sheardown, *Interfacial Control with Proteins at Silicone/Water Interfaces*, Polymerisation in Dispersed Media, PDM April 2004, Lyon, France, Abstract O5.5.
125. Elodie Pacard, Michael A. Brook, Amro M. Ragheb, Carole Chaix, and Christian Pichot, *Elaboration of Silica/polymer hybrid support for oligonucleotide synthesis and biodiagnostics*, Polymerisation in Dispersed Media, PDM April 2004, Lyon, France.
124. Yang Chen, Zheng Zhang, John D. Brennan, Michael A. Brook,\* *A glycerol-derived silica precursor for the encapsulation of protein in porous silica monoliths*, XII International Workshop on Sol-Gel Science and Technology, Sydney, Australia, August 2003, Abstract 788.
123. Michael A. Brook,\* Yang Chen, Kui Guo, Zheng Zhang, Wen Jin, Anil Deisingh and John D. Brennan\*, *Sugar-Modified Silanes: Precursors for Silica Monoliths*, XII International Workshop on Sol-Gel Science and Technology, Sydney, Australia, August 2003, Abstract O-50.
122. Masaaki Amako, Michael A. Brook, *Ring Flipping Behavior of O(SiMe<sub>2</sub>-1<sup>5</sup>-Indenyl)<sub>2</sub>Fe complexes and Their Co-Polymerization with Silicones*, OMCOS 12, Toronto, July 2003, Abstract.
121. Stefanie A. W. Mortimer, Paul M. Zelisko, and Michael A. Brook, *Protein Deposition On Modified Silica Surfaces*, 36<sup>th</sup> Organosilicon Symposium, Akron (won best student prize).
120. Paul M. Zelisko and Michael A. Brook, *The Properties Of Human Serum Albumin And Triethoxysilyl-Terminated Polydimethylsiloxane At The Interface Of Water-In-Silicone Oil Emulsions*, 36<sup>th</sup> Organosilicon Symposium, Akron
119. S. A. W. Mortimer, P. M. Zelisko, M. A. Brook, *A Novel Approach to Amino Acid-Modified Silicones*, 2003 IUPAC Congress and 86th Conference of The Canadian Society for Chemistry, Ottawa ON, Aug. 2003, Abstract. (won best undergraduate student MSED poster).
118. P. M. Zelisko, M. A. Brook, *The Interaction of Proteins with Silicone Polymers Containing Hydrophilic Moieties*, 2003 IUPAC Congress and 86th Conference of The Canadian Society for Chemistry, Ottawa ON, Aug. 2003, Abstract.
117. A. M. Ragheb, M. A. Brook, *The role of hydrophilic additives in affecting the internal hydrophobic environment of silicone rubber: effect of polyethylene glycol species on the enzymatic activity of lipase C. rugosa entrapped in silicone composite*, 2003 IUPAC Congress and 86th Conference of The Canadian Society for Chemistry, Ottawa ON, Aug. 2003, Abstract. (Won 1 of 3 best graduate students posters).
116. Hong Chen, Michael A. Brook and Heather Sheardown, *A New Approach to PEO-Modified Silicone Rubber: Passivation of Silicone Surfaces for Protein Rejection and Cell Growth*, 29th Annual Biomaterials Society Meeting, Reno Nevada, May 2003, Abstract.
115. Zheng Zhang, Michael A. Brook, *The Biporous Structure of Monolithic Silica Columns Containing Entrapped Proteins*, International Symposium on Organosilicon Chemistry, Guanajuato, Mexico, August 2002, Abstract P1-60.
114. Paul M. Zelisko and Michael A. Brook, *The Interaction of Proteins and Silicones at Emulsion Interfaces: Analysis of Protein and Emulsion Stability*, International Symposium on Organosilicon Chemistry, Guanajuato, Mexico, August 2002, Abstract P1-54.

113. Amro Ragheb and Michael A. Brook, *Oxidizable Coupling Agents: Introduction of Surface Functionality*, International Symposium on Organosilicon Chemistry, Guanajuato, Mexico, August 2002, Abstract P1-58.
112. Hong Chen, Michael A. Brook, and Heather D. Sheardown, *An Investigation of the Surface Properties and Biocompatibility of Polyethylene Oxide-Modified Silicone Rubber*, International Symposium on Organosilicon Chemistry, Guanajuato, Mexico, August 2002, Abstract P1-53.
111. Elodie Pacard, Hong Chen, Michael A. Brook, and Carol Chaix, *Compatibilization of Silica Surfaces For Proteins*, International Symposium on Organosilicon Chemistry, Guanajuato, Mexico, August 2002, Abstract P2-49.
110. Cindy M. Liu, Paul Zelisko and Michael A. Brook, *Protein-Silicone Conjugates: Surface Activity as a Guide to Utility as Biodegradable Surfactants*, International Symposium on Organosilicon Chemistry, Guanajuato, Mexico, August 2002, Abstract P2-29.
109. Yang Chen and Michael A. Brook, *Syntheses of Sugar-Based Coupling Agents and their Use in Preparing Protein-Friendly Silica Surfaces*, International Symposium on Organosilicon Chemistry, Guanajuato, Mexico, August 2002, Abstract P1-57.
108. Masaaki Amako and Michael A. Brook, *Transition Metal-Containing Silicones From Disiloxane Compounds*, International Symposium on Organosilicon Chemistry, Guanajuato, Mexico, August 2002, Abstract P2-23.
107. Li, G.; LaRonde, F. J.; Brook, M. A. *Stereoselective reduction of ketones with triethoxysilane catalyzed by C2-symmetric titanium complexes*, 224th ACS Meeting, Boston, August 2002, Abstract ORGN 509
106. M. A. Brook, V. Bartzoka, P. Zelisko, M. Walsh *Silicone-Protein Copolymers: Controlling Interfacial and Protein Stabilization*, 1<sup>st</sup> European Silicon Days, Munich, 2001 Abstract B11.
105. Brook, M. A., Laronde, F. J., Ragheb, A., *Controlling Silica Surfaces Using Responsive Coupling Agents*, Silica 2001, Mulhouse, France, Sept. 2001.
104. Mohamed, M.; Brook, M. A. *Synthesis of  $\alpha$ -Allylsilane-Amino Acids and Their Reactions with Aromatic Acetals*, 212<sup>th</sup> ACS Meeting, Chicago, August 2001, Abstract ORGN 457.
103. Paul M. Zelisko, and Michael A. Brook, *Modified silicones for the stabilisation of proteins and enzymes in emulsions: Potential Vaccine Delivery Systems*, 212<sup>th</sup> ACS Meeting, Chicago, August 2001, Abstract POLY 403.
102. Brook, M. A., Zelisko, P. and Bartzoka, V. *Silicone-Protein Copolymers: Controlling Interfacial and Protein Stabilization*, International Workshop on Silicon Containing Polymers ISPO 2001, University of Kent at Canterbury, UK, June 2001, Abstract 57.
101. Paul Zelisko and Michael A. Brook, *Delivery of Proteinaceous Materials from Silicone Protected Microparticles and Water-in-Silicone Oil Emulsions*, Controlled Release Society, San Diego, June 2001, Abstract 6194.
100. Mustafa Mohamed and Michael. A. Brook, 84<sup>th</sup> Canadian Society for Chemistry Conference, Montreal, 2001, Abstract 1206.
99. Amro Ragheb and Michael. A. Brook, *The Role of Light in the Fouling of Wastewater UV-Disinfection*, 84<sup>th</sup> Canadian Society for Chemistry Conference, Montreal, 2001, Abstract 693.

98. Zelisko, PM; Flora, K; Brook, MA; Brennan, JD., *The Interaction of Silicone and Human Serum Albumin: Stabilisation Against Denaturation at the Interface*, 84<sup>th</sup> Canadian Society for Chemistry Conference, Montreal 2001, Abstract 1163.
97. Mustafa Mohamed and Michael. A. Brook, *C<sub>2</sub>-Symmetric Lewis Acids: Enantioselective Reduction Of Carbonyl Groups*, 34<sup>th</sup> Organosilicon Symposium, White Plains, NY, May 2001, Abstract C-8.
96. Amro Ragheb and Michael. A. Brook, *An Attempt To Use Oxidizable Silane Coupling Agents To Mitigate Fouling of Quartz Surfaces*, 34<sup>th</sup> Organosilicon Symposium, White Plains, NY, May 2001, Abstract B-22.
95. Paul Zelisko and Michael. A. Brook, *Proteins and Enzymes at the Interface of Water-in-Silicone Oil Emulsions*, 34<sup>th</sup> Organosilicon Symposium, White Plains, NY, May 2001, Abstract A-10.
94. Brook, M. A.; Zelisko, P. *Exploiting Silicone-Protein Interactions: Stabilization Against Protein Denaturation at Interfaces*, 211<sup>th</sup> ACS Meeting, San Diego, April 2001, Abstract Poly181.
93. Brook, M. A.; Ragheb, A. *Oxidizable Coupling Agents: Introduction of Surface Functionality*, Adhesion Society Conf., Williamsburg, VA, Feb. 2001, Abstract 373.
92. Zelisko, P.; Brook, M. A. 20<sup>th</sup> Conference of the Canadian Biomaterials Society, *Water-In-Silicone Oil Emulsions in the Oral Delivery and Storage of Proteins and Enzymes*, Hamilton, August 2000.
91. Vasiliki Bartzoka and Michael A. Brook, *Stable Silicone-Protein Emulsions: New Routes to Topical Delivery of Proteins*, Society of Cosmetic Chemists Conference, Toronto, ON, May 2000.
90. Frank J. LaRonde and Michael. A. Brook, *C<sub>2</sub>-Symmetric Lewis Acids: Enantioselective Reduction Of Carbonyl Groups*, 33<sup>rd</sup> Organosilicon Symposium, Saginaw MI, April 2000, Abstract B-17.
89. Frank J. LaRonde and Michael. A. Brook, *Enantioselective Reduction Using Extracoordinate Silicon*, 33<sup>rd</sup> Organosilicon Symposium, Saginaw MI, April 2000, Abstract PB-31.
88. Mustafa Mohamed and Michael A. Brook, *Photolyses Of Tris(Trimethylsilyl)Silane And Tris(Trimethylsilyl)Silylethers: Trapping Of Silyl Radicals And Silylenes*, 33<sup>rd</sup> Organosilicon Symposium, Saginaw MI, April 2000, Abstract PB-34.
87. Mustafa Mohamed and Michael A. Brook, *Synthesis Of Allylsilane-Containing Amino Acids Via The Claisen Rearrangement*, 33<sup>rd</sup> Organosilicon Symposium, Saginaw MI, April 2000, Abstract PB-33.
86. Amro M. Ragheb, Michael A. Brook, *Squalene-Polysiloxane Cross Linked Polymer*, 33<sup>rd</sup> Organosilicon Symposium, Saginaw MI, April 2000, Abstract PB-35.
85. Ahmed H. Alzamly and Michael. A. Brook, *Thermoplastic Silicone Elastomers*, 33<sup>rd</sup> Organosilicon Symposium, Saginaw MI, April 2000, Abstract PB-36.
84. Paul Zelisko and Michael. A. Brook, *Enhanced Stability Of Alpha-Chymotrypsin And Alkaline Phosphatase Entrapped In Water-In-Silicone Oil Emulsions*, 33<sup>rd</sup> Organosilicon Symposium, Saginaw MI, April 2000, Abstract PB-32.
83. V. Bartzoka, M. A. Brook, *Protein-Silicone Synergies at Liquid-Liquid Interfaces*, Gordon Research Conference on Polymer Colloids, Tilton NH, July 1999, Abstract 42.



82. Sonya Balduzzi and M. A. Brook, Stereoselective carbon-carbon bond formation via cobalt-complexed alkynes, 82<sup>nd</sup> Canadian Society for Chemistry Conference, Toronto, June 1999, Abstract 666.
81. Frank J. LaRonde; Michael A. Brook, *Stereoselective Reduction of Ketones by Histidine: Alkoxysilane Complexes*, 82<sup>nd</sup> Canadian Society for Chemistry Conference, Toronto, June 1999, Abstract 684.
80. M. Mustafa and Michael A. Brook, *Application of the Claisen Rearrangement to the Synthesis of Amino Acid-Modified Allylsilanes*, 82<sup>nd</sup> Canadian Society for Chemistry Conference, Toronto, June 1999. Abstract 923.
79. D. Alberico, M. A. Brook, *Thermally Reversible Siloxane Elastomer*, 82<sup>nd</sup> Canadian Society for Chemistry Conference, Toronto, June 1999, Abstract Number: 18 (undergrad).
78. M. Mustafa and Michael A. Brook, *Synthesis of Allylsilanes via Ester Enolate Claisen Rearrangement of Vinylsilane-Modified Amino Acids*, Quebec and Ontario Minisymposium on Biological and Organic Chemistry, Brock University, Oct. 1998, Abstract 58.
77. F. J. Laronde and Michael A. Brook, *Reduction of Ketones with Hypervalent Trialkoxysilanes: Imidazole-Mediated Reduction of Carbonyl Compounds*, Quebec and Ontario Minisymposium on Biological and Organic Chemistry, Brock University, Oct. 1998, Abstract 57.
76. S. Balduzzi and Michael A. Brook, *Stereoselective Intramolecular Allyl Transfer*, Quebec and Ontario Minisymposium on Biological and Organic Chemistry, Brock University, Oct. 1998, Abstract 59.
75. Wayne W. Y. Lau, Brendan Hyland, James M. Dickson and Michael A. Brook, *Removal of Trace Organics from Water by Pervaporation using a composite hollow fiber Membrane with a Novel Silicone coating*, 4th National symposium on Progress in Materials Research, National University of Singapore, Mar., 1998, Proceedings 546-549.
74. F. Laronde and Michael A. Brook, *Reduction of Ketones With Hypervalent Trialkoxysilanes: Imidazole Mediated Reduction of Carbonyl Compounds*, Fifth International Conference on Heteroatom Chemistry, London Ont., July 1998, Abstract.
73. M. Mustafa and Michael A. Brook, *Application Of The Claisen Rearrangement To The Synthesis Of Allylsilane-Modified Amino Acids*, Fifth International Conference on Heteroatom Chemistry, London Ont., July 1998
72. V. Bartzoka and Michael A. Brook, *Protein-Silicone Interactions at Liquid/Liquid Interfaces*, 72<sup>nd</sup> ACS Colloid and Surface Science Symposium, Penn. State, Pennsylvania, June 1998, Abstract 59.
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