

AT MEETINGS, INVITED

27. Michael A. Brook, 7th International Workshop on Organosilicon Polymers (ISPO), Łódź, Poland, 27-30 June 2010, Plenary lecture.
26. Yang Chen, David Valentini and Michael A. Brook, *Starch Meets Silicone and Silica: Using Polysaccharides to Structure Silicon-Based Materials* ISPO, Busan, Korea, June 2008.
25. Michael A. Brook, Ferdinand Gonzaga, and David B. Thompson, *Structuring Silicones, and Structuring Metal Crystals with Silicones*, 15th ISOS, Jeju Island, Korea, May 2008.
24. Michael A. Brook, Heather D. Sheardown, Shigui Zhao, Yunping Shao, Yang Chen, Neven Awad and Renita D'souza, *Strategies to Improve Biocompatibility at Silicone Interfaces*, Biomaterials Symposium, Chemical Society of Canada National Conference, Edmonton, May 2008, ABS 38.
23. David B. Thompson and Michael A. Brook, *Complex, explicit 3D silicone structures from dehydrocarbonative coupling*, Materials Symposium, Chemical Society of Canada National Conference, Edmonton, May 2008, ABS 1098.
22. Michael A. Brook,* H. D. Sheardown,* A. Fawcett, R. D'souza, S. Zhao, Y. Chen, Y. Shao and N. Awad, *Internal and External Structuring of Silicones for Improved Biocompatibility*, 41st Organosilicon Symposium, San Francisco, April 2008.
21. Brook, M. A., *Exploiting Protein Silicone Interactions in Drug Delivery*, 2007 ACS ProSpectives Conference: Successful Biologics: Formulation to Manufacturing, Philadelphia, Nov. 2007.
20. Brook, M. A., *Why are people so sceptical about silicones as biomaterials? Strategies for improved biocompatibility*, European Silicon Days, Sept. 9-11, 2007 Bath England, Plenary lecture.
19. Brook, M. A., *Structuring Inorganic Interfaces: What Minerals Can Teach Us About Metals*, Tercer Encuentro de Química Inorgánica (3rd Mexican national meeting in inorganic chemistry), Aug. 2007, Guanajuato, Mexico.
18. Michael A. Brook, David Thompson, Ryan Longenecker, Amanda Fawcett, *Controlling the Internal Morphology of Silicone Elastomers: Using Self-Assembly of Surfactants Inside Silicones*. ISPO, Montpellier, France, June 2007, Plenary lecture.
17. Michael A. Brook, Lihua Liu, Heather Sheardown, Hong Chen, Yang Chen, and Diana Morarescu, *Building biological layers on silicone elastomers using redistributive erosion/growth mechanisms*, Silicones and Silicone-Modified Materials, 232nd American Chemical Society Meeting, San Francisco, Sept. 2006, Abstract POLY 337.
16. Michael A. Brook, J. Guo, H. D. Sheardown, H. Chen, D. Chen, *Carbohydrate Modified Silicone Elastomers*, ISOS XIV International Organosilicon Symposium, Würzburg Germany, August 2005.
15. Michael A. Brook, *Protein and oligonucleotide compatible sol-gel preparation and controlled aggregation of primary silica particles*, IUPAC World Polymer Congress, Paris, July 2004.
14. Michael A. Brook, Hong Chen, and Heather Sheardown, *Protein Rejecting Silicone Elastomers for Scar Reduction in the Eye*, Emerging New Materials Research Day, Toronto, June 2003.
13. Michael A. Brook, Stefanie Mortimer, Cindy Liu and Paul Zelisko, *Formulating Emulsions Using Silicone-Protein Copolymers*, International Workshop on Silicon Containing Polymers ISPO 3 Troy, NY, 2003.
12. M. A. Brook, J. D. Brennan, D. Chen, H. Chen, Z. Zheng, P. Zelisko, S. Mortimer and A. Ragheb, *Harnessing Protein Activity at Silica and Silicone Interfaces*, 36th Organosilicon Symposium, Akron, May 2003.
11. Muxin Liu, Elodie Pacard, Amro Ragheb, Paul Zelisko et Michael A. Brook, *Emulsion de silicone eau dans huile : stabilisation par des protéines*, Journées de formulation: Formulation des composés silicones et fluorés: Concurrence ou complémentarité Lyon, France 9, 10 décembre 2002.

10. Michael A. Brook, Dan Chen, Kui Guo, Zhang Zheng, John Brennan, Hong Chen and Paul Zelisko, *Using silicon chemistry to stabilize proteins in silica*, XIIIth International Symposium on Organosilicon Chemistry, Guanajuato, Mexico, August 2002, Abstract A-28.
9. Michael A. Brook, Vasiliki Bartzoka, Gladys Chan and Paul Zelisko, *Are Silicones Deleterious to Protein Structure and Function?*, 33rd Organosilicon Symposium, Saginaw MI, April 2000, Abstract B-15.
8. M. A. Brook, R. Z. Stan, B. Davies, V. Bartzoka. *Combining Silicones with Biopolymers*. XIIth International Symposium on Organosilicon Chemistry, Sendai, Japan, May 1999.
7. M. A. Brook and Frank J. LaRonde, *Chiral Extracoordinate Silanes: Catalytic, Enantioselective Reduction of Carbonyl Groups*, 32nd Organosilicon Symposium, Milwaukee, March 1999.
6. M. A. Brook, R. Z. Stan and A. Tseitlin, *Progress in the Chemistry of Surface Compability*, 5th International Conference on Woodfiber-Plastic Composites, Toronto, ON, May 1998, Abstract.
5. M. A. Brook, T. Kuhnen, M. J. McGlinchey, R. Ruffolo, M. Stradiotto and J. Urschey, *(Metal) Complex Solutions To Some Synthetic (Silicon) Problems*, ACS Meeting, Dallas, Apr. 1998, Kipping Symposium (J. Lambert, Awardee), Abstract 279.

AT MEETINGS, CONTRIBUTED

A) PEER REVIEWED

- 201 Yang Chen and Michael A. Brook, *Dual Cure Silicone System For Geometric Control of Hardness*, European Silicon Days, Vienna Austria, Sept. 2009, Poster.
- 200 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.
- 199 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.
- 198 David B. Thompson, John Grande and Michael A. Brook, *Controlled Geometry Functional Silicones Using B(C₆F₅)₃-Catalyzed Condensation*, American Chemical Society, Fall 2009 National Meeting, Washington DC, August 2009, Abstract 1299138.
- 197 Amanda Fawcett and Michael A. Brook, *Foam Generation Through Viscosity Control by Allyl PEG*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, poster.
- 196 J. Grande and M.A. Brook, *The Synthesis and Design of New, Explicit 3-D Siloxane Macro-Surfactants*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, oral.
- 195 V. Rajendra, Y. Chen, R. O'Souza and M. A. Brook *Controlled Morphology of Silicone Elastomers*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, oral.
- 194 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).
- 193 Y. Shao and M.A. Brook, *Structuring Silicone Interfaces*, 42nd Silicon Symposium, Long Branch, NJ, June 2009, poster.
- 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 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.
- 190 J. Grande and M.A. Brook, *The Synthesis and Design of New, Explicit 3-D Siloxane Macro-Surfactants*, 93rd Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 99, oral.
- 189 S.D. Aguirre, M.A. Brook, and Y. Li, W. Zhao, M. M. Ali, *Colorimetric Paper Based Bioassays Using Gold Nanoparticle Probes*, , 93rd Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 114, oral.

- 188 F. Gonzaga, G. Yu and M.A. Brook, Click Silicones , 93rd Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 478, oral.
- 187 H. So and M. A. Brook, Influence of PEO-Modified Silieone on Viscosity, 93rd Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 633, poster.
- 186 A. Vanderkoooy and M. A. Brook, Strategies for Using Gold Nanoparticles to Detect E. coli on Silica Surfaces Modified with Baeteriophage, 93rd Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 960, poster.
- 185 V. Rajendra, Y. Chen, R. O'Souza and M. A. Brook Controlled Morphology of Silicone Elastomers, 93rd Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 1382, oral.
- 184 D. J. Durbin and M. A. Brook, Towards the Synthesis of Biocompatible, Non-Adhesive, Absorbent Wound Dressings, 93rd Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 1146, undergraduate poster, Winner in Organic section.
- 183 A. S. Fawcett and M. A. Brook, Synthesizing Artificial Vitreous Humor, 93rd Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 1503, oral.
- 182 Y. Shao and M.A. Brook, Structuring Silicone Interfaces, 93rd Canadian Chemistry Conference, Hamilton Canada June 2009, Abstract 1568, oral.
- metal evaporation is utilized.
- 181 Zhao, W., Ali, M. M., Brook, M. A., and Li, Y. (2008) Paper-based bioassays using gold nanoparticle colorimetric probes. Bioactive Paper Conference, Espoo, Finland, June 24-26. (Oral presentation) (International).
- 180 Zhao, W., Ali, M. M., Aguirre, S. D., Brook, M. A., and Li, Y. (2008) Biodetection kits using gold nanoparticle-coated paper. McMaster Innovation Showcase, Hamilton, Canada. June 5-6. (Poster presentation) (Provincial).
- 179 A. Adronov, M. A. Brook, F. Gonzaga, J. Huang, G. Lawson, *Au Carbon Nanotube Composites from Slef-Reduction of Au³⁺ upon Poly(ethylene imine) Functionalized SWNT Thin Films*, Chemical Society of Canada National Conference, 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-TiO₂ 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 Li1, *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*, XIVth International Sol-Gel Conference Montpellier, Sept. 2007, ABS O-14.

Rebecca Voss 5/3/08 1:51 PM

Comment: I will thank Carlos, Mona and Mansel in the end or would you like me to put them here?

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*, XIVth Conference on Sol Gel Chemistry, Montpellier, France, Sept. 2007, Abstract 039.
169. M. A. Brook, [R. Voss](#), J. Thomson, 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. 4th Nanoforum, Edmonton Alberta June 2006, Abstract
163. [W. Zhao](#), M. A. Brook, 89th 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*. 38th 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*. 38th 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 SiO₂ and TiO₂ Particles*. 38th 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*, 38th 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 TiO₂ nanoparticles and their colloidal stability*, 92nd Annual Meeting Paperweek 2006, Montreal, QC, Canada, poster.
157. [Lucy Ye](#), Michael Brook, Robert Pelton, *A Platform of Immobilization of Proteins on TiO₂ Nanoparticles*, 92nd Annual Meeting Paperweek 2006, Montreal, QC, Canada, oral presentation.
156. [Lucy Ye](#), Michael Brook, Robert Pelton, *Biotinylation of TiO₂ Nanoparticles and Their Colloidal Stabilities* February 6~10, 2006, 55th 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*. 53rd American Society for Mass Spectrometry Conference, San Antonio, TX, 2005.
154. Gina Dimopoulos-Italiano, Michael A. Brook, [Amro M. Ragheb](#), [M. Kirk Green](#). *LCMS Analysis of Squalene Derivatives using ESI with Post-Column Addition of Ag+* 53rd 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*. 53rd 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 TiO₂ nanoparticles, 79th 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⁺*, 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 Tleugabalova, 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. Coe-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***, 7th 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*. 7th 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*, 7th 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*, 7th 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*, 7th 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*, 7th 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 bdiagnostics*, 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 $O(\text{SiMe}_2\text{-}\eta^5\text{-Indenyl})_2\text{Fe}$ 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*, 36th 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*, 36th 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*, 1st 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 α -Allylsilane-Amino Acids and Their Reactions with Aromatic Acetals*, 212th 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*, 212th 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, 84th 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*, 84th 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*, 84th Canadian Society for Chemistry Conference, Montreal 2001, Abstract 1163.
97. Mustafa Mohamed and Michael. A. Brook, *C₂-Symmetric Lewis Acids: Enantioselective Reduction Of Carbonyl Groups*, 34th 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*, 34th 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*, 34th 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*, 211th 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. 20th 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, *C₂-Symmetric Lewis Acids: Enantioselective Reduction Of Carbonyl Groups*, 33rd Organosilicon Symposium, Saginaw MI, April 2000, Abstract B-17.
89. Frank J. LaRonde and Michael. A. Brook, *Enantioselective Reduction Using Extracoordinate Silicon*, 33rd 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*, 33rd 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*, 33rd Organosilicon Symposium, Saginaw MI, April 2000, Abstract PB-33.
86. Amro M. Ragheb, Michael A. Brook, *Squalene-Polysiloxane Cross Linked Polymer*, 33rd Organosilicon Symposium, Saginaw MI, April 2000, Abstract PB-35.
85. Ahmed H. Alzamlly and Michael. A. Brook, *Thermoplastic Silicone Elastomers*, 33rd 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*, 33rd 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*, 82nd Canadian Society for Chemistry Conference, Toronto, June 1999, Abstract 666.
81. Frank J. LaRonde; Michael A. Brook, *Stereoselective Reduction of Ketones by Histidine: Alkoxy-silane Complexes*, 82nd 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*, 82nd Canadian Society for Chemistry Conference, Toronto, June 1999, Abstract 923.
79. D. Alberico, M. A. Brook, *Thermally Reversible Siloxane Elastomer*, 82nd 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*, 72nd ACS Colloid and Surface Science Symposium, Penn. State, Pennsylvania, June 1998, Abstract 59.
71. F. Laronde and Michael A. Brook, *Diels-Alder Coupling Agents: Reversible Modification of Silica Surfaces*, 31st Organosilicon Symposium, New Orleans, May 1998, Abstract.
70. R. Stan and Michael A. Brook, *Polysiloxane Polymers Containing Nitrotri-acetic Acid Chelating Groups*, 31st Organosilicon Symposium, New Orleans, May 1998, Abstract.

INVITED LECTURES: AT COMPANIES

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| 44. Michael A. Brook, BSN Hamburg, Germany | Nov. 2008 |
| <i>Using Silicones with in Topical Applications: Strategies for Protein Delivery</i> | |
| 43. Michael A. Brook, Lilly, Indianapolis | March 2008 |
| <i>Using Silicones with Pharmaceutical Actives: The Case of Protein Delivery</i> | |
| 42. Michael A. Brook, Heather Sheardown, Synergeyes, Carlsbad CA | Nov. 2006. |
| <i>Controlling Surface and Materials Properties for Ophthalmic Applications</i> | |
| 41. Michael A. Brook, Heather Sheardown, St. Jude Medical, Thousand Oaks, CA | Nov. 2006. |
| <i>Controlling Surface and Materials Properties for Biomaterials Applications</i> | |
| 40. Michael A. Brook, AMGEN, Sylmar, CA | Nov. 2006. |
| <i>Exploiting Silicone Protein Interactions</i> | |
| 39 Wacker Chemie, Burghausen Germany | Jan. 2006 |
| <i>Using Synthesis to Structure Interfaces: Making Silica and Silicones Biocompatible</i> | |
| 38 Xerox (XRCC) | Feb. 2005 |
| <i>Learning from Nature: Morphological Control of Silica under Mild Conditions</i> | |
| 37 Vistikon, Jacksonville Florida | Dec. 2004 |
| <i>Controlling biology at silicone interfaces: an integrated approach to ocular materials</i> | |
| 36 AMO, Newport Beach, CA | March 2004 |

- Controlling biology at silicone interfaces: an integrated approach to ocular materials*
- 35 Specialty Minerals, Allentown, PA March 2004
Protein-doped, controlled morphology silica monoliths and chelating silicones: Learning from nature
- 34 Air Products, Allentown, PA March 2004
Protein-doped, controlled morphology silica monoliths: Learning from nature
- 33 QLT, Vancouver March 2004
An Integrated Approach to New Ocular Materials
- 32 Novartis Cibavision, Atlanta Georgia June 2003
Stabilizing Proteins in Silica and Silicones
- 31 Alcon, Fort Worth June 2003
Stabilizing Proteins in Silica and Silicones
- 30 Dow Corning, Midland Michigan Apr. 2002
Controlling Enzyme Stability in Water-in-Silicone Oil Emulsions
- 29 Genencor, Palo Alto Aug. 2001
Silicone/protein interactions: Modifying hydrophobic/hydrophilic interactions to control both protein and interfacial stability
- 28 Sasol, Austin Texas Aug. 2001
An Introduction to Silanes and Silicones
- 27 General Electric Corporate Research and Development, Waterford NY May 2001
Silicones at Biopolymers Interfaces: A Look at Beneficial and Not-So-Beneficial Fouling
- 26 NPS Pharmaceuticals Mar. 2001
Silicone:Protein Conjugates: Emulsions that Stabilize Proteins Against Denaturation
- 25 Alcon, Fort Worth, Texas Feb. 2001
Protein-Silicone Mixtures for Biological Cleaning Applications
- 24 Glaxo Canada Feb. 2001
Silicone:protein conjugates: emulsions that stabilize proteins against denaturation.
- 23 GE-Bayer, Leverkusen June 2000
Silicon at the Interface: New Surface Active Silanes and Silicones
- 22 Goldschmidt, Essen June 2000
Silicon at the Interface: New Surface Active Silanes and Silicones
- 21 Specialty Minerals, Allentown PA April 2000
Chelating Silicones
- 20 CK Witco Corp. (Sistersville WV) Dec. 1999
Looking for New Hydrophilic Substrates to Bind to Silicones
- 19 Michigan Molecular Institute, Midland MI Oct. 1999
Silicones at the Interface: What Do Biopolymers Offer
- 18 General Electric, Waterford Oct. 1999
Silicones at the Interface: The Benefits of Combining Silicones with Biopolymers
- 17 Unilever, Port Sunlight, UK Sept. 1998
Working with Silicones
- 16 National Starch, New Jersey June 1998
Confusing Nature: A Look at the Hydrophobization of Biopolymers Using Silanes and Silicones

INVITED LECTURES: AT UNIVERSITIES

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99. CSIRO Melbourne Australia May 2009
Controlled Synthesis at Silicone Interfaces: New Strategies for Improved Biocompatibility
98. Flinders University, Adelaide, Australia May 2009
Synthesis of Structured Inorganic Materials Using Silicon-Based Surfactants

97. Queensland University of Technology, Brisbane, Australia May 2009
Controlled Synthesis at Silicone Interfaces: New Strategies for Improved Biocompatibility
96. Rensselaer Polytechnic Institute, Troy NY, *The Reed Lecture* April, 2009
Controlled Synthesis at Silicone Interfaces: New Strategies for Improved Biocompatibility
95. Michael A. Brook, University of British Columbia (Pharmacy) Oct. 2008
Using Silicones with Pharmaceutical Actives: Strategies for Protein Delivery
94. Michael A. Brook, University of Western Ontario May 2008
Using Silicones to Control Dynamic Interfaces: Silicone Biomaterials to Gold Crystals
93. Michael A. Brook, Case Western Reserve University, Feb. 2008
Using Silicones to Control Dynamic Interfaces: Silicone Biomaterials to Gold Crystals
92. Michael A. Brook, Trent University, Peterborough, ON Sept. 2007
Dynamic Interfaces: Synthetic Approaches to Controlling Morphology
91. Michael A. Brook, Department of Chemistry, Universidad Guanajuato, Aug. 2007
Binding cells to silicone and TiO₂ surfaces
90. Michael A. Brook, Queen's University, Belfast, N. Ireland May 2007
Making Silicones More Biocompatible: Using Synthesis to Structure Biomedical Interfaces
89. Michael A. Brook, University of Limerick, Ireland Apr. 2007
Dynamic Interfaces: Synthetic Approaches to Controlling Morphology
88. Michael A. Brook, Trinity College, Dublin, Ireland Mar. 2007
Dynamic Interfaces: Synthetic Approaches to Controlling Morphology
87. Michael A. Brook, NUI Galway, Chemistry, Ireland Mar. 2007
Dynamic Interfaces: Synthetic Approaches to Controlling Morphology
86. Michael A. Brook, University College Cork, Ireland Mar. 2007
Dynamic Interfaces: Synthetic Approaches to Controlling Morphology
85. Michael A. Brook, NCBES NUI Galway, Ireland Jan. 2007
Making Silicones More Biocompatible: Using Synthesis to Structure Biomedical Interfaces
84. Michael A. Brook, McMaster University, BIMR Nov. 2006.
Using Synthesis to Structure Interfaces: Making Silica and Silicones Biocompatible
83. Michael A. Brook, McMaster University, BIMR Summer Lecture Series June 2006
Controlling interfaces for biomedical devices: using silica and silicones (with a comment on breast implants)
82. Michael A. Brook, McMaster University, Chemical Engineering March 2006.
Using Synthesis to Structure Interfaces: Making Silica and Silicones Biocompatible
81. Michael A. Brook, McMaster University Undergraduate Chemistry Society March 2006
The Imposter Syndrome: How to succeed (?) in spite of chemical ignorance
80. Université de Montpellier, II, France Jan. 2006
La silicone et la silice dans un monde biologique: le contrôle de l'interface
79. Brock University, Chemistry Department Oct. 2004
Controlling protein stability in silicones and silica: Synthesis of new biomaterials
78. University of Waterloo, Chemistry Department Oct. 2004
Controlling protein stability in silicones and silica: Synthesis of new biomaterials
77. McMaster University, BIMR Summer Research Program Weekly Seminar Series, June 2004
Compatibilizing proteins with silica and silicones (what do graduate students actually do?)
76. Institute of Chemistry, Chinese Academy of Sciences, Beijing Nov. 2003
Using Silicone: Protein Interactions to Stabilize Water/Oil Interfaces and Protein Structure
75. Qingdao University of Technology Nov. 2003
Stereocontrol Using Silyl Groups: Enantioselective Reductions and Claisen Rearrangements
74. Huazhong University of Science and Technology Nov. 2003
Using Silicone: Protein Interactions to Stabilize Water/Oil Interfaces and Protein Structure

- 73 Wuhan University of Technology Nov. 2003
Protein-Doped Mesoporous Silica for Drug Screening Applications
- 72 Nanjing University Nov. 2003
Using Silicone: Protein Interactions to Stabilize Water/Oil Interfaces and Protein Structure
- 71 UWEB (University of Washington Engineered Biomaterials), Seattle, May 2003
Stabilizing Proteins in Silica and Silicones
- 70 Ian Wark Research Institute, University of South Australia, Adelaide, South Australia
Michael A. Brook, Frank LaRonde, Mustafa Mohamed and Forrest Li March 2003
Stereocontrol Using Silyl Groups: Enantioselective Reductions and Claisen Rearrangements
- 69 Ian Wark Research Institute, University of South Australia, Adelaide, South Australia
M. A. Brook, Dan Chen, Kui Guo, Zhang Zheng, John Brennan, and Paul Zelisko March 2003
Formation of Protein-Containing Controlled Pore Silica for Drug Discovery
- 68 Perspectives on Silicon (6 hours lectures during a 30 hour short course), Ian Wark Research Institute,
University of South Australia, Adelaide, South Australia July 2002
- 67 Queensland University of Technology, Brisbane, Australia June 2002
Bringing Organic Chemistry to Silicon-based Interfaces
- 66 University of Sydney, Australia June 2002
The Passivation of Silica and Protein/Water Interfaces Using Silane Coupling Agents and Functional Silicones.
- 65 Flinders University, Adelaide, Australia June 2002
Stabilization of Water-in-Silicone Oil Emulsions: Surfactants Formed by the Interaction of Proteins/enzymes and Functionalized Silicones
Preparing and Passivating Silica: Matching Surface Chemistry to Application
- 64 University of South Australia, Adelaide, Australia June 2002
The Passivation of Silica and Protein/Water Interfaces Using Silane Coupling Agents and Functional Silicones.
- 63 McMaster University: Undergraduate Chemistry Series March 2002
From Oral Vaccines to Breast Implants: What Happens When Proteins Meet Silicones?
- 62 Ecole Nationale Supérieure, Lyon, France Feb. 2002
Protéines chez soi: Dans les silicones et dans la silice (New homes for proteins in silicones and silica)
- 61 University of Dresden, Germany, Institute of Polymer Research Feb. 2002
The passivation of silica and silicone surfaces using silane coupling agents and proteins.
- 60 University of Toronto Feb. 2001
Silicone/protein interactions: Modifying hydrophobic/hydrophilic interactions to control both protein and interfacial stability
- 59 University of Windsor Sept. 2000
Exploiting Extracoordinate Silicon: Enantioselective Reductions and Aldol Reactions Catalyzed by Chiral Amines (and some Silicone-Protein Stuff)
- 58 Institut National des Sciences Appliquées de Lyon July 2000
Silicium à l'Interface: Silanes et Silicones Fonctionnalisés
- 57 Institut Charles Sadron, Université Louis Pasteur June 2000
Silicium à l'Interface: Silanes et Silicones Fonctionnalisés
- 56 Université de Bordeaux I May 2000
Combining Silicones and Biopolymers: Controlling the Interface (en français)
- 55 Ecole Normale Supérieure de Lyon May 2000
Silicium à l'Interface: Silanes et Silicones Fonctionnalisés
- 54 University of Twente May 2000
Silicon at the Interface: New Surface Active Silanes and Silicones
- 53 University of Amsterdam May 2000

- Exploiting Extracoordinate Silicone: Enantioselective Reductions and Aldol Reactions
Catalyzed by Chiral Amines*
- 52 Kyoto University June 1999
Chiral Extracoordinate Hydrosilanes Derived from Bidentate Ligands: Enantioselective Reduction of Ketones
- 51 Kyoto Institute of Chemistry June 1999
Gifts From Nature: New Materials From Silicones and Biopolymers
- 50 Chinese University of Hong Kong May 1999
Gifts From Nature: New Materials From Silicones and Biopolymers
- 49 University of Hong Kong May 1999
Chiral Extracoordinate Silanes: Catalytic and Enantioselective Reduction
- 48 Hong Kong University of Science and Technology May 1999
Chiral Extracoordinate Silanes Derived From Histidine: Catalytic and Enantioselective Reduction
- 47 McMaster University President's Stewardship "Over the Ivy Wall" March 1999
Confusing Nature: What does Lemon Pledge have to do with Oral Vaccines?
- 46 Chemical Engineering, McMaster University Feb. 1999
Confusing Nature: A Look at the Hydrophobization of Biopolymers Using Silanes and Silicones
- 45 Brock University Feb. 1999
Stereoselective Reduction of Ketones by Histidine: Alkoxysilane Complexes
- 44 Mount Allison University Nov. 1998
Confusing Nature: A Look at the Hydrophobization of Biopolymers Using Silanes and Silicones
- 43 University of New Brunswick Nov. 1998
Confusing Nature: A Look at the Hydrophobization of Biopolymers Using Silanes and Silicones
- 42 Acadia University Nov. 1998
Confusing Nature: A Look at the Hydrophobization of Biopolymers Using Silanes and Silicones
- 41 Dalhousie University Nov. 1998
Confusing Nature: A Look at the Hydrophobization of Biopolymers Using Silanes and Silicones
- 40 McMaster University Board of Governors Oct. 1998
Combining Silicones and Biopolymers: New Materials
- 39 Telemark University, Porsgrunn, Norway Feb. 1998
Silicone Degradation Mechanisms