

*Contributions to Books (F Full Chapter; ED Editor)*

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17. F **Jianfeng Zhang** and Michael A. Brook, *Exploiting Lignin: a Green Resource*, In, *Mobilizing Chemistry Expertise to Solve Humanitarian Problems*, Ed., Ronda Grosse (Chemists Without Borders), ACS, Washington DC, ACS Symposium Series Vol 1268, 2017, Vol. 2, Chap. 6, pp 91-116, accepted Apr. 25, 2017, published online Oct. 28, 2017 DOI 10.1021/bk-2017-1268.ch006
16. ED *Progress in Silicones and Silicone-Modified Materials*, Eds. S. J. Clarson, M. J. Owen, S. D. Smith, M. E. Van Dyke, M. A. Brook, and J. M. Mabry, *ACS Symposium Series Vol. 1154*, **2013**, 196 pages, ISBN13 978-0-8412-2964-8. (Dec. 10, 2013), DOI 10.1021/bk-2013-1154.
15. F Michael A. Brook, 3 - The chemistry and physical properties of biomedical silicones. In *Biomaterials in Plastic Surgery*, W. Peters, H. Brandon, K. L. Jerina, C. Wolf, V. L. Young, Eds. Woodhead Publishing, 2012; pp 52-67.
14. F Michael A. Brook,\* **John B. Grande** and François Ganachaud, *New Synthetic Strategies for Structured Silicones Using B(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub>*, in *Adv. Polym. Sci.* **2011**, 235, 161–183. Muzafarov, A., Ed., Abe, A., Albertsson, A.-C., Dusek, K., de Jeu, W.H., Kausch, H.-H., Kobayashi, S., Lee, K.-S., Leibler, L., Long, T.E., Manners, I., Möller, M., Nuyken, O., Terentjev, E.M., Voit, B., Wegner, G., Wiesner, U., Vicent, M.J., Series Editors, Springer, 2010, DOI 10.1007/12\_2009\_47 (March 2010).
13. F Michael A. Brook, **Lihua Liu**, **Shigui Zhao**, and **Zaid N. Mammo**, *Etching of Silicone Elastomers: Controlled Manipulation of Surface Roughness*, in *Advances in Silicones and Silicone-Modified Materials*, Clarson, S. J.; Fitzgerald, J. J.; Owen, M. J.; Smith, S. D.; Van Dyke, M. E., Eds, *ACS Symp. Ser.* **2010**, 1051, Chap. 12, pp 147-155. DOI 10.1021/bk-2010-1051.ch012 (Nov. 9, 2010).
12. F **Weian Zhao**, Michael A. Brook and Yingfu Li. (invited) Protocols in Nanostructure Design. The Methods in Molecular Biology series by Humana Press. 2008, 79-90.
11. F **David B. Thompson**, **Amanda S. Fawcett** and **Michael A. Brook**, *Simple Strategies to Manipulate Hydrophilic Domains in Silicones*, in "Silicon Based Polymers", Ganachaud, F.; Boileau, S.; Boury, B., Eds., Springer, 2008, pp 29-38.
10. F **Paul M. Zelisko**, **Amro M. Ragheb**, **Michael Hrynyk**, and Michael A. Brook, *Proteins at Silicone Interfaces*, in *Synthesis and Properties of Silicones and Silicone-Modified Materials*, Clarson, S. J.; Fitzgerald, J. J.; Owen, M. J.; Smith, S. D.; Van Dyke, M. E., Eds, **2007**, ACS Symposium Series 964, (Science and Technology of Silicones and Silicone-Modified Materials), 256-266.
9. F **M. Liu**, **A. Ragheb**, **P. Zelisko**, and M. A. Brook, *Preparation and Application of Silicones Using Biopolymers*, In *Colloidal Biomolecules, Biomaterials, and Biomedical Applications* (Surfactant Science, Vol. 116), Elaïssari, Abdelhamid, Ed.; Marcel Dekker Inc., 2004, Chapter 11, pages-309-329, invited manuscript.

8. F Brook, Michael A.; Zelisko, Paul; Walsh, Meaghan. *Permeability of silicone - water interfaces in water-in-oil emulsions*. In: *Organosilicon Chemistry V: From Molecules to Materials*, Auner, N.; Weis, J. Eds. (Scientific Contributions presented at the European Silicon Days, Munich, Germany, Sept., 2001), invited manuscript, Wiley-VCH, Weinheim, 2005, pp. 606-611.
7. F Paul Zelisko, Vasiliki Bartzoka and Michael A. Brook, *Exploiting Favorable Silicone-Protein Interactions: Stabilization Against Denaturation At Oil-Water Interfaces*, in *Synthesis and Properties of Silicones and Silicone-Modified Materials*, Clarson, S. J.; Fitzgerald, J. J.; Owen, M. J.; Smith, S. D.; Van Dyke, M. E., Eds, ACS Symposium Series 838, 2003, Ch. 19, pp. 212-221, invited manuscript (ISBN 0-8412-3804-9).
6. ED *Canadian Journal of Chemistry*, Special Issue in honour of Adrian Brook, (pub. Nov. 2000), Guest co-editor with Victor Sneickus, 1998-2000
5. N Laronde, F.; Brook, M. A.\* *Amino acid catalysts for the enantioselective hydrosilane reduction of carbonyl groups*, In *Catalysts for the Fine Chemical Synthesis, Vol. 1, Hydrolysis, Oxidation and Reduction*, Roberts, Stan M.; Poignant, G., Eds., 2002, pp. 169-172.
4. F Bartzoka, V.; McDermott, M. R.; Brook, M. A.\* , *Protein-Silicone Interactions at Liquid/Liquid Interfaces*, In *Emulsions, Foams and Thin Films*, Mittal, K. L.; Kumar, P., Eds., Dekker, New York, 2000, Chap. 21, pp. 371-380, Invited manuscript.
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