PEER REVIEWED

(A) BOOKS

(B) CONTRIBUTIONS TO BOOKS


PUBLICATIONS


154. F Michael A. Brook Kenneth K. Ng, Michael Hrynyk Carly Moore Ryan Lall, DOI: 10.1021/la0778491.

153. F Zhao, Weian; Chiuman, William; Lam, Jeff; McManus, Simon; Chen, Wei; Cui, Yuguo; Brook, Michael; Li, Yingfu DNA Aptamer Folding on Gold Nanoparticle: from Colloid Chemistry to Biosensors, J. Am. Chem. Soc. 2008, 130, 3610-18, DOI:10.1021/ja710241b


143. F Li Gan and Michael A. Brook, Competitive Substitution Reactions at Extracoordinate Silicon During Asymmetric Hydrosilylation, Organometallics 2007, 26, 945-951.


132, F Sui, Xihua; Lin, Tsai-Yin; Tleugabulova, Dina; Chen, Yang; Brook, Michael A.; Brennan, John D. Monitoring the Distribution of Covalently Tethered Sugar Moieties in Sol-Gel-Based Silica Monoliths with Fluorescence Anisotropy: Implications for Entrapped Enzyme Activity. Chem. Mater. 2006, 18, 887-896.


117. F Liang, Liang; Dickson, James M.; Jiang, Jianxiong; Brook, Michael A. Pervaporation of 1,2-dimethoxycarbox ethane from aqueous solutions by crosslinked oligosilylstyrene-poly(dimethylsiloxane) composite membranes. J. Appl. Poly. Sci. 2004, 92, 2284-2294.

118. F Liang, Liang; Dickson, James M.; Jiang, Jianxiong; Brook, Michael A. Effect of low flow rate on pervaporation of 1,2-dichloroethane with novel polydimethylsiloxane composite membranes. J. Membrane Sci. 2004, 231(1-2), 71-79.


83. F Michael A. Brook, Christine Gottardo, Sonya Balduzzi and Mustafa Mohamed, The Photolytic and Hydrolytic Lability of Si(SiMe3)3 Ethers: A Fluoride Resistant, Photolabile Alcohol Protecting Group, Tetrahedron 1999, 55, 10027-10040.


57 F Stephen Urquhart, Cássia C. Turci, Tolek Tyliszczak, Michael A. Brook and Adam P. Hitchcock, Core Excitation Spectroscopy of Phenyl- and Methyl-Substituted Silanol, Disiloxane and Disilane Compounds: Evidence for π Delocalization Across the Si-CPhenyl Bond, Organometallics, 1997, 16, 2080-2088.


55. F Mark Stradiotto, Suzie S. Rigby, Donald W. Hughes, Michael A. Brook, Alex D. Bain and Michael J. McGlinchey, A Multidimensional NMR Study or Tris(indenyl)methylsilane: Molecular Dynamics Mapped onto a Hypercube, Organometallics, 1996, 15, 5645-5652.


23. C Michael A. Brook and Carol Dallaire, Vinyl Cations Stabilized by Silyl, Germyl and Stannyl Groups: An Examination of the β-Effect, Organometallics 1990, 9, 2873-2875.


(D) JOURNAL ABSTRACTS

(E) OTHER, INCLUDING PROCEEDINGS OF MEETINGS
12. Brook, Michael A.; Liu, Lihua; Sheardown, Heather; Chen, Hong; Chen, Yang; Morarescu, Diana, Building biological layers on silicone elastomers using redistribute erosions growth mechanisms, 232nd ACS National Meeting, San Francisco, CA, United States, Sept. 10-14, 2006 POLY-337.

11 Voss, Rebecca; Chen, Yang; Brennan, John D.; Brook, Michael A. A biocompatible process for the preparation of macro-porous silica materials. 38th Central Regional ACS Meeting, Frankenmuth, MI, United States, May 16-20 (2006), CRM-341.
10 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 American Chemical Society, Frankenmuth, MI, United States, May 16-20 2006, CRM-322.

9 Ye, Lu; Pelton, Robert; Brook, Michael, Bio-Conjunction of Streptavidin on SiO2 and TiO2 Particles. 38th Central Regional Meeting of the American Chemical Society, Frankenmuth, MI, United States, May 16-20 2006, CRM-299.
(Developed from the conference, “Formulation des composés silicones et fluorés” presented at the Journées de formulation: Formulation des composés silicones et fluorés: Concurrence ou complémentarité Lyon, France 9, 10 décembre 2002), Lanteri, P.; Bordes, C., Eds., invited manuscript.


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PROVISIONAL (NOTE: PROVISIONAL PATENTS SUPERCEDED BY A FULL PATENT ARE NOT SHOWN)


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