

LITERATURE CITED

- Adachi, M., T. Harada and M. Harada. 1999. Formation of Huge Length Silica Nanotubes by a Templating Mechanism in The Laurylamine/Tetraethoxysilane System. **Langmuir** (15): 7097.
- Bell, R. J. and P. Dean. 1970. Atomic Vibrations in Vitreous Silica. **Discuss. Faraday Soc.** (50): 55.
- Benerjee, S. and S. S. Wong. 2002. Structural Characterization, Optical properties, and Improved Solubility of Carbon Nanotubes Functionalized with Wilkinson's Catalyt. **J. Am. Chem. Soc.** (124): 8940.
- Chen, J. F., J. X. Wang, R. J. Liu, L. Shao and L. X. Wen. 2004. Synthesis of Porous Silica Structures with Hollow Interiors by Templating Nanosized Calcium Carbonate. **Inorganic Chemistry Communications** (7): 447.
- Clavier, G.M., J.L. Pozzo, H. Bouas-Laurent, C. Liere, C. Roux and C. Sanchez. 2000. Organogelators for Making Porous Sol-Gel Derived Silica at Two Different Length Sxales. **J. Mater. Chem.** (10): 1725.
- Dong, W., W. Li, K. Yu, K. Krishna, L. Song, X. Wang, Z. Wang, M. O. Coppens and S. Feng. 2003. Synthesis of Silica Nnotubes from Kaolin Clay. **Chem. Commun.** : 1302.
- Gallener, F. L. 1979. Band Limits and the Vibrational Spectra of Tetrahedral glasses. **Phys. Rev. B.** (19): 4292.

- Hacohen, Y., R. Popovitz-Biro, E. Grunbaum, Y. Prior and R. Tenne. 2002. Vapor-Liquid-Solid (VLS) Growth of NiCl₂ Nanotubes Reactive Gas Laser Ablation. **Adv. Mater.** (296): 2198.
- Han, W. S., Y. Kang, S. J. Lee, H. Lee, Y. Do, Y. A. Lee and J. H. Jung. 2005. Frabrication of Color-Tunable Luminescent Silica Nanotubes Loaded with Functional Dyes Using a Sol-Gel Cocondensation Method. **J. Phys. Chem. B.** (109): 20661.
- Hoyer, P. 1996. Formation of a Titanium Dioxide Nanotube Array. **Langmuir** (12): 1411.
- Huo, Q., D. Margolese, U. Ciesla, P. Feng, T. Gier, P. Sieger, R. Leao, P. M. Petroff, F. Schuth and G. D. Stucky. 1994. Generalized Synthesis of Periodic Surfactant/Inorganic Composite materials. **Nature** (368): 317.
- Iijima, S. 1991. Hellical Microtubules of Graphitic Carbon. **Nature** (354): 56.
- Izutsu, H., F. Mizukami, P. K. Nair, Y. Kiyosumi and K. Maeda. 1997. Preparation and Characterization of Porous Silica Spheres by the Sol-Gel Method in the Presence of tartaric acid. **J. Mater. Chem.** (7): 767.
- Jal, P. K., M. Sudarshan, A. Saha, S. Patel and B. K. Mishra. 2004. Synthesis and Characterzation of Nanosilica Prepared by Precipitation method. **Colloids and Surfaces A** (240): 173.

- Jung, J.H., S. Shinkai and T. Shimizu. 2002. Preparation of Mesoscale and Macroscale Silica Nanotubes using a Sugar-Appended Azonaphthol Gelator Assembly. **Nano Lett** (2): 17.
- Jung, J. H., K. Yoshida and T. Shimizu. 2002. Creation of Novel Double-Helical Silica Nanotubes Using Binary Gel System. **Langmuir** (18): 8724.
- Jung, J. H., S. Shinkai and T. Shimizu. 2003. Nanometer-Level Sol-Gel Transcription of Cholesterol Assemblies into Monodisperse Inner Helical Hollows of the Silica. **Chem. Mater.** (15): 2141.
- Kobayashi, S., K. Hanabusa, N. Hamasaki, M. Kimura, H. Shirai, and S. Shinkai. 2000. Preparation of TiO₂ Hollow-Fibers Using Supramolecular Assemblies. **Chem. Mater** (12): 1523.
- Kovtyukhova, N.I., T.E. Mallouk and T.S. Mayer. 2003. Templated Surface Sol-Gel Synthesis of SiO₂ Nanotubes and SiO₂ Insulated Metal Nanowires. **Adv. Mater** (15): 780.
- Kresge, C. T., M. E. Leonowicz, W. J. Roth, J. C. Vartuhi and J. S. Beck. 1992. Ordered Mesoporous Molecular Sieves Synthesized by Liquid-Crystal Template Mechanism. **Nature** (359): 710.
- Krumeich, F., M. Wark, L. Ren, H. J. Muhr and R. Nesper. 2004. Electron Microscopy Characterization of Silicon Dioxide Nanotubes.. **Z. Anorg. Allg. Chem.** (630): 1054.

- Lakshmi, B.B., P.K. Dorhout and C.R. Martin. 1997. Sol-Gel Template Synthesis of Semiconductor Nanostructures. **Chem. Mater** (9): 857.
- Liang, C., Y. Shimizu, T. Sasaki, H. Umehara and N. Koshizaki. 2004. One-Step Growth of Silica Nanotubes and Simultaneous Filling with Indium Sulfide Nanorods. **J. Mater. Chem.** (14): 248.
- Lee, S. B., D. T. Mitchell, L. Trofin, T. K. Nevanen, H. Soderland and C. R. Martin. 2002. Antibody-Base Bio-Nanotube Membranes for Enantiomeric Drug Separation. **Science** (296): 2198.
- Martin, C.R. 1996. Membrane-Based Synthesis of Nanomaterials. **Chem. Mater** (8): 1739.
- Mitchell, D. T., S. B. Lee, L. Trofin, N. C. Li, T. K. Nevanen, H. Soderland and C. R. Martin. 2002. Smart Nanotubes for Bioseparations and Biocatalysis. **J. Am. Chem. Soc.** (124): 11864.
- Miyaji, F., S.A. Davis, J.P. Charmant and S. Mann. 1999. Organic Crystal Templating of Hollow Silica Fibers. **Chem. Mater** (11): 3021.
- Mokoena, E. M., A. K. Datye and N. J. Coville. 2003. A Systematic Study of the Use of DL-Tartaric Acid in the Synthesis of Silica Materials Obtained by the Sol-Gel Method. (28): 307.
- Moon, S.I. and T.J. McCarthy. 2003. Template Synthesis and Self-Assembly of Nanoscopic Polymer "Pencils". **Macromolecules** (36): 4253.

- Muhr, H., F. Krumeich, U. P. Scholzer, F. Bieri, M. Niederberger, L. J. Gauchler and R. Nesper. 2000. Vanadium Oxide Nanotubes - A New Flexible Vanadate Nanophase. **Adv. Mater.** (12): 231.
- Nakamura, H. and Y. Matsui. 1995. Silica Gel Nanotubes obtained by Sol-Gel Method. **J. Am. Chem. Soc.** (117): 2651.
- Nakamura, H. and Y. Matsui. 1995. The Preparation of Novel Silica Gel Hollow Tubes. **Adv. Materials** (7): 871.
- Obare, S.O., N.R. Jana and C.J. Murphy. 2001. Preparation of Polystyrene and Silica-Coated Gold Nanorods and Their Use as Templates for The Synthesis of Hollow Nanotubes. **Nano Lett** (1): 601.
- Ono, Y., K. Nakashima, M. Sano, Y. Kanekiyo, K. Inoue, S. Shinkai and J. Hojo. 1998. Organic Gels are Useful as a Template for the Preparation of Hollow Fiber Silica. **Chem. Commun.** : 1477.
- Resker, M., Z. Skraba, F. Cleton, R. Sanjines and F. Levy. 1996. MoS₂ as Microtubes. **Appl. Phys. Lett.** (69): 351.
- Satishkumar, B. C., A. Govindaraj, E. M. Vogl, L. Basumalick and C. N. R. Rao. 1997. Oxide Nanotubes Prepared Using Carbon Nanotubes as Template. **J. Mater. Res.** (12): 604.
- Sen, P. N. and M. F. Thrope. 1977. Phonons in AX₂ Glasses : From Molecular to Band-Like Modes. **Phys. Rev. B.** (15): 4030.

- Stebbins, J. F., P. F. Mcmillan and D. B. Dingwell. 1995. Structure, Dynamics and Properties of Silicate Melt. **Reviews in Mineralogy** (32): 616.
- Steinhart, M., J. H. Wendorff, A. Greiner, R. B. Wehrspohn, K. Nieisch, J. Schilling, J. Choi and U. Goesle. 2002. Polymer Nanotubes by Wetting of Ordered Porous Templates. **Science** (296): 1997.
- Stöber, W., A. Fink and E. Bohn. 1968. Controlled the Growth of Monodisperse silica spheres in the Micron Size Range. **J. Colloid Interface Sci.** (26): 62.
- Sudheendra, L. and A. R. Raju. 1999. Silica Fibre-Composites Obtained Using Long-Chain Carboxylic acid as templates. **Bull. Mater. Sci.** (22): 1025.
- Wang, L., T. Shinji, O. Fumihiko, M. Masaki, S. Masaya and I. Keiichi. 2001. Synthesis of Single Silica Nanotubes in The Presence of Citric Acid. **Chem. Mater** (11): 1465.
- Wang, Z.L., R.P. Gao, L. Gole and J.D. Stout. 2000. Silica Nanotubes and Nanofiber Arrays. **Adv. Mater** (12): 1938.
- Yang, Z., Z. Niu, X. Cao, Y. Lu, Z. Hu and C. C. Han. 2003. Template Synthesis of Uniform 1D Messtructured Silica Materials and Their Arrays in Anodic Alumina Membranes. **Angew. Chem. Int. Ed.** (42): 4201.
- Yin, Y., Y. Lu, Y. Sun and Y. Xia. 2002. Silver Nanowires Can Be Directly with Amorphous Silica to Generate Well-Controlled Coaxial Nanocables of Silver/Silica. **Nano Lett** (2): 427.

- Zelenski, C. M. and P. K. Dorhout. 1998. Template Synthesis of Mono-Disperse Microscale Nanofibers and Nanotubes of MoS₂. **J. Am. Chem. Soc** (120): 734.
- Zhang, M., E. Ciocan, Y. Bando, K. Wada, L. L. Cheng and P. Pirous. 2002. Bright Visible Photoluminescence from Silica Nanotube Flakes Prepared by the Sol-Gel Template method. **Appl. Phys. Lett.** (80): 491.
- Zhang, M., Y. Bando, K. Wada and K. Kurashima. 1999. Synthesis of Nanotubes and Nanowires of silicon oxide. **J. Mater. Sci. Lett.** (18): 1911.
- Zhu, W., Y. Han and L. An. 2005. Synthesis of Ordered Mesoporous Silica Nanotubal arrays. **Microporous and Mesoporous Materials** (84): 69.