

## REFERENCES

- Allcock, H.R., Nugent, T.A., and Smeltz, L.A., Synthesis in Inorganic and Metal Organic Chemistry, **2**, (1972): 97.
- Akhmetov, N.S., General and Inorganic Chemistry, Translated from Russian Edition by Alexander Rostkin, H., Campbell(ed.) Ereighton, 2<sup>nd</sup> Ed., (1983).
- Barnum, D.W., Inorg. Chem., **9**, (1970) : 1942.
- Barnum, D.W., Inorg. Chem., **11**, (1970): 1421.
- Colegrove, B.T., and Schaefer III, H.F., J.Am.Chem.Soc. **113**, (1991): 1557.
- Corriu, R.J.P., J. Organomet. Chem., **400**, (1990): 81-106.
- Cotton, F.A., and Wilkinson, G.F., The Group IVA(14) Elements, Advanced Inorganic Chemistry, 5<sup>th</sup> Ed., John Wiley & Sons, Interscience Publ., New York, N.K., (1970): 266.
- Day, R.O., Sreelatha, C., Deiters, J.A., Johnson, S.E., Holmes, J.M., and Howe, R.R., Organometallics, **10**, (1991); 1758-1766.
- Douglas, B.E., McDaniel, D.H., and Alexander, J.J., Concepts and Models of Inorganic Chemistry. 2<sup>nd</sup> Ed., John Wiley & Sons, Inc., Singapore, (1983).
- Friedel, C., Craft, J.M., J. of Ann., **136**, (1865): 203.
- Honle, V.W., Angew.Chem.Int.Ed.Engl. **28**, No.5, (1989): 623.
- Iler, R.K., The Chemistry of Silica, John Wiley & Sons, Inc., New York, (1979).
- Jacqueline, K.I., High Performance Polymers and Composites. Encyclopedia reprint series, (1991).

- Kansal, P., and Laine, R.M., "Pentacoordinate Silicon Complex as Precursors to Silicate Gasses and Ceramic", J.Am.Ceram.Soc., **77**, (1994): 875.
- Kroschwitz, J.I., Mark, H.F., Bikales, N.M., Overberger, C.G., and Menges, G., Encyclopedia of Polymer Science and Engineering, John Wiley&Sons, Inc., New York, **9**, (1985): 1-55.
- Laine, R.M., Treadwell, D., and Mueller, B.L., One step Synthesis of Neutral Alkoxysilanes and Alanes from SiO<sub>2</sub> and Al(OH)<sub>3</sub>, Unpublished one,(1994).
- Laine R.M., and Viney, C., "Inorganic and Organometallic Polymers with Speacial Properties, Progress, Potential and Problem", Inorganic and Organometallic Polymers with Special Properties, Kluwer Academic Publishers, (1992): 413-435.
- Mark, J.E., Allcock, H.R., and West, R., Inorganic Polymers, Prentice-Hall, Inc, (1992).
- Nararro, F., and Serrano, J.L., "Thermotropic Aromatic Copolyester of Catechol", J. of Pol. Sci. part A : Polymer Chemistry, **30**, (1992) : 1789-1798.
- Pae, D.H., Xiao, M., Chiang, M.Y., and Gaspar, P.P., J. Am. Chem. Soc. **113**, (1991): 1281.
- Price, D.M., Khan, N., and Bashir, Z., "Synthesis and Mesophase Characterization of Liquid Crystalline Polyester with Bulk, Rigid, Lateral Substituents", J. of Pol. Sci. part B : Plymer Physic, **32**, (1994): 2509-2518.
- Rangsitphol, J., Arvloxyasilane Synthesis Directly from silica and Catechol, Master Thesis, The Petroleum and Petrochemical College, Chulalongkorn University, (1995).

- Ray, D.J., Laine, R.M., Robinson, T.R., and Viney, C., "Thermotropic and Lyotropic Copolymers of Bis(Dioxyphenyl)Silanes", Mol.Cryst.Liq.Cryst., 225, (1993).
- Robinson, T.R., Novel Low Temperature Synthetic Routes to Tailored Soluble Silicates, Master Thesis, University of Washington, (1990).
- Rochow, E.G., Silicon and silicones, Springer-Verlag Berlin Heidelberg, (1987).
- Rosenheim, A., Raibmann, B., and Schendel, G.Z., Anorg.Allg.Chem., (1931): 196.
- Seyferth, D., and Annarelli J., J. Am. Chem. Soc., 97, 1975: 7162.
- Skrifvars, M., and Schmidt, H.W., "Unsaturated Para-Linked Aromatic LC Polyesters :Thermotropic and Lyotropic System", J. of Appl. Pol. Sci. 55, (1995),1787-1795.
- Tamao, K., Hayashi, T., Ito, Y., and Shiro, M., Organometallics, 11, (1992): 2099-2114.
- Tandura, S.N., and Voronkov, M.G., Top. Curr. Chem., 131, (1986): 99-189.
- Voronkov, M.G., and Gubanova, L.I., Main Group Met. Chem., 10, (1987): 209-286.
- Widle, A., "Liquid Crystalline Polymers", Material World, Sept. (1993).
- Youngdrah, D.A., Nardi, P., Robinson, T.R., and Laine. R.M., The Synthesis of Novel Penta-alkoxy and Penta-aryloxy Silicates from Silicates from Silica, NATO Adv.Study.Inst., Ser.Ed., 206, (1991): 99.

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