

บรรณานุกรม

1. วิลเลียม เอฟ สมิท. วัสดุวิศวกรรม. กรุงเทพมหานคร : แมคกรอ-ฮิล, 2545.
2. Tebble R. S. and Craik D. J. Magnetic Materials. London : Academic Press, Inc., 1989.
3. Smit J. Magnetic properties of materials. United state of America : Magra-Hill Book company, 1971.
4. Carp O., Barjega R., Segal E. and Brezeanu M., "Nonconventional methods for obtaining hexaferrites II. Barium hexaferrite." Thermochimica Acta 318 (April 1998) : 57-62.
5. Liu X., Wang J., Gan L., Ng S. and Ding J. "An ultrafine barium ferrite powder of high coercivity from water-in-oil microemulsion." Journal of Magnetism and Magnetic Materials 184 (December 1998) : 344-354.
6. Matutes-Aquino J., Diaz-Castanon S., Mirabal-Garcia M. and Palomares-Sanchez S.A. "Synthesis by coprecipitation and study of barium hexaferrite powders." Scripta Materialia 42 (September 2000) : 295-299.
7. Liu X., Wang J., Ding J., Chen M.S. and Shen Z.X. "The effects of mechanical activation in synthesizing ultrafine barium ferrite powders from co-precipitated precursors." Journal of Materials Chemistry (June 2000).
8. Mendoza-Suarez G., Matutes-Aquino J.A., Escalantes-Garcia J.I., Mancha-Molinar H., Rios-Jara D. and K.K. Johal. "Magnetic properties and microstructure of Ba-ferrite powders prepared by balling." Journal of Magnetism and Magnetic Materials 223 (September 2001) : 55-62.
9. Benito G., Morales M.P., Requena J., Raposo V., Vazquez M. and Moya J.S. "Barium hexaferrite monodispersed nanoparticles prepared by the ceramic method." Journal of Magnetism and Magnetic Materials 234 (April 2001) : 65-72.
10. Pullar R.C. and Bhattacharya A.K. "Crystallisation of hexagonal M ferrite from a stoichiometric sol-gel precursor, without formation of the α -BaFe₂O₄ intermediate phase." Materials Letters 57 (March 2002) : 537-542.

11. Mali A. and Ataie A. "Influence of the metal nitrates to citric acid molar ratio on the combustion process and phase constitution of barium hexaferrite particles prepared by sol-gel combustion method." Ceramics International 30 (December 2004) : 1979-1983.
12. Qiu J. and Gu M. "Crystal structure and magnetic properties of barium ferrite synthesized using GSPC and HEBM" Journal of Alloys and Compounds (2005).
13. Mali A. and Ataie A. "Structural characterization of nano-crystalline $\text{BaFe}_{12}\text{O}_{19}$ powders synthesized by sol-gel combustion route" Scripta Materialia 53 (July 2005) : 1065-1070.
14. Ren P., Guan J. and Cheng X. "Influence of heat treatment conditions on the structure and magnetic properties of barium ferrite $\text{BaFe}_{12}\text{O}_{19}$ hollow microsphere of low density." Materials Chemistry and Physics (2005).
15. Xu G., Zhong H.M., Zhou J., Yue Y. and Zhengming He. "Influence of pH on characteristics of $\text{BaFe}_{12}\text{O}_{19}$ powder prepared by sol-gel auto-combustion." Journal of Magnetism and Magnetic Materials 301 (June 2006) : 383-388.
16. Topal U., Ozkan H. and Dorosinskii L. "Finding optimal Fe/Ba ratio to obtain single phase $\text{BaFe}_{12}\text{O}_{19}$ prepared by ammonium nitrate melt technique." Journal of Alloys and Compounds 428 (April 2007) : 17-21.
17. Zhong W., Ding W., Zhang N., Hong J., Yan Q. and Du Y. "Key step in synthesis of ultrafine $\text{BaFe}_{12}\text{O}_{19}$ by sol-gel technique." Journal of Magnetic and Materials 168 (September 1997) : 196-202.
18. Liu X., Wang J., Gan L. and NG S. "Improving the magnetic properties of hydrothermally synthesized barium ferrite." Journal of Magnetism and Magnetic Materials 195 (January 1999) : 452-459.
19. Liu W., Lee J. and Wu J. "X-ray absorption spectroscopic study of barium ferrite thin films synthesized by sol-gel method." Materials Chemistry and Physics 69 (June 2001) : 89-94.
20. Liu W. and Wu J. "The effect of the vacuum extraction and Fe/Ba ratio on the phase formation of barium ferrite thin film synthesized by sol-gel method." Material Chemistry and Physics 69 (June 2001) : 148-153.
21. Janasi S.R., Emura M., Landgraf F.J.G. and Rodrigues D. "The effect of synthesis variables on the magnetic properties of coprecipitated barium ferrite powders." Journal of Magnetism and Magnetic Materials 238 (September 2002) : 168-172.

22. Mendoza-Suarez G., Cisneros-Morales M.C., Cisneros-Guerrero M.M., Johal K.K., Mancha-Molinar H., Ayala-Valenzuela H.O. and Escalante-Garcia J.I. "Influence of stoichiometry and heat treatment conditions on the magnetic properties and phase constitution of Ba-ferrite powders prepared by sol-gel." Materials Chemistry and Physics 77 (February 2002) : 796-801.
23. Yu H. and Lin H. "Preparation and thermal behavior of aerosol-derived $\text{BaFe}_{12}\text{O}_{19}$ nanoparticles." Journal of Magnetism and Magnetic Materials 283 (May 2004) : 190-198.
24. Topal U., Ozkan H. and Sozeri H. "Synthesis and characterization of nanocrystalline $\text{BaFe}_{12}\text{O}_{19}$ obtained at 850 °C by using ammonium nitrate melt." Journal of Magnetism and Magnetic Materials 284 (July 2004) : 416-422.
25. Qiu J., Liang L. and Gu M. "Nanocrystalline structure and magnetic properties of barium ferrite particles prepared via glycine as a fuel" Materials Science and Engineering A 393 (November 2005) : 361-365.
26. Topal U., Ozkan H. and Topal K.G. "Improved properties of $\text{BaFe}_{12}\text{O}_{19}$ prepared by ammonium nitrate melt technique and washed in HCl." Journal of Alloys and Compounds (2006).
27. Mali A. and Ataie A. "Influence of Fe/Ba molar ratio on the characteristics of Ba-hexaferrite particles prepared by sol-gel combustion method." Journal of Alloys and Compounds 339 (March 2005) : 245-250.
28. Wang J., Wu Y., Zhu Y. and Wang P. "Formation of rod-shaped $\text{BaFe}_{12}\text{O}_{19}$ nanoparticles with well magnetic properties." Material Letters (2006).
29. Ksapabutr B., Gulari E. and Wongkasemjit S. "One-pot synthesis and characterization of novel sodium tri(glycozirconate) and cerium glycolate precursors and their pyrolysis," Material Chemistry and Physics 2004, 83 (August 2003):34-42.
30. Laobuthee A., Wongkasemjit S., Traversa E. and Laine R.M. "MgAl₂O₄ spinel powders from oxide one pot synthesis (OOPS) process for ceramic humidity sensors." Journal of the European Ceramic Society 20 (April 2000) : 91-97.
31. Thanabodeekij N., Sathupunya M., Jamieson A.M. and Wongkasemjit S. "Correlation of sol-gel processing parameters with microstructure and properties of a ceramic product." Materials Characterization 50 (August 2003) : 325-337.

32. Opornsawad Y., Ksapabutr B., Wongkasemjit S. and Latine R.M. "Formation and structure tris(alumatranxyloxy-*i*-propyl)amine directly from $\text{Al}(\text{OH})_3$ and triisopropanolamine," European polymer 2001, 37 (February 2001):1877-1885.
33. Ksapabutr B., Gulari E. and Wongkasemjit S. "Sol-gel transition study and pyrolysis of alumina-based gels prepared from alumatrane precursor." Colloids and Surfaces A: Physicochem. Eng. Aspects 233 (November 2004) : 145-153.
34. Tahara S., Okamoto T. and Sugahara Y. "Preparation of nanocomposite consisting of a siloxane network and perovskite-related nanosheets via sol-gel process." Science and Technology of Advanced Materials 7 (July 2006) : 446-450.
35. Thitinun S., Thanabodeekij N., Jamieson A.M. and Wongkasemjit S. "Sol-gel processing of spirosilicates." Journal of the European Ceramic Society 23 (April 2003) : 417-427.
36. Ksapabutr B., Gulari E. and Wongkasemjit S. "Preparation of zirconia powders by sol-gel route of sodium glycozirconate complex." Powder Technology 148 (October 2004) : 11-14.
37. Brunckova H., Medvecky L., Briancin J. and Saksl K. "Influence of hydrolysis conditions of the acetate sol-gel process on the stoichiometry of PZT powders." Ceramics International 30 (May 2004) : 453-460.
38. C-Jeffrey Brinker, and George W. Scherer. Sol-gel science. New York : Academic Press, Inc., 1989.
39. นางสาวจุฑารัตน์ อาชวรัตน์ถาวร. กระบวนการโซลเจล (Sol-Gel Technology). กลุ่มเทคโนโลยีโลหวิทยา สำนักอุตสาหกรรมพื้นฐาน (June-July 2004).