

บรรณานุกรม (blibliography)

- [1] E. Ozel, S. Turan, Production and characterization of iron-chromium pigments and their interactions with transparent glazes. *J. Eur. Ceram. Soc.* 23 (2003) 2097-2104.
- [2] S.R. Prim, A. Garcia, R. Galindo, S. Cerro, M. Llusar, M.V. Folgueras, G. Monros, Pink ceramic pigments based on chromium doped $M(Al_{2-x}Cr_x)O_4$, $M = Mg, Zn$, normal spinel. *Ceram. Inter.* 39 (2013) 6981-6989.
- [3] A. Fernandez-Osorio, E. Pineda-Villanueva, J. Chavez-Fernandez, Synthesis of nanosized $(Zn_{1-x}Co_x)Al_2O_4$ spinels: New pink ceramic pigments. *Mater. Res. Bull.* 47 (2012) 445-452.
- [4] S-N. Choi, Y-S. Lee, B-H. Lee, Synthesis of $ZnO-Al_2O_3-Cr_2O_3$ pigments and coloring in glazes. *J. Korean Ceram. Soc.* 45(5) (2008) 256-262.
- [5] L.K.C. de Souza, J.R. Zamian, G.N. da Rocha Filho, L.E.B. Soledade, I.M.G. dos Santos, A.G. Souza, T. Scheller, R.S. Angelica, C.E.F. da Costa, Blue pigments based on $Co_xZn_{1-x}Al_2O_4$ spinels synthesized by the polymeric precursor method. *Dyes Pigm.* 81 (2009) 187-192.
- [6] M. Dondi, C. Zanelli, M. Ardit, G. Cruciani, L. Mantovani, M. Tribaudino, G.B. Andreozzi, Ni-free black pigments based on Co-Cr-Fe-Mn spinels: A reappraisal of crystal structure, colour and technological behaviour. *Ceram. Inter.* 39 (2013) 9533-9547.
- [7] O. Padmaraj, M. Venkateswarlu, N. Satyanarayana, Structural, electrical and dielectric properties of spinel type $MgAl_2O_4$ nanocrystalline ceramic particles synthesized by the gel-combustion method. *Ceram. Inter.*, 41(2B) (2015).
- [8] H.E.H. Sadek, R.M. Khattab, A.A. Gaber, M.F. Zawrah, Nano $(Mg_{1-x}Ni_x)Al_2O_4$ spinel pigments for advanced applications, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 125 (2014) 353-358.
- [9] S.A. Eliziário, J.M. de Andrade, S.J.G. Lima, C.A. Paskocimas, L.E.B. Soledade, P. Hammer, E. Longo, A.G. Souza, I.M.G. Santos, Black and green pigments based on chromium-cobalt spinels, *Mater. Chem. Phys.*, 129(1-2) (2011) 619-624.
- [10] A.R. Molla, C.R. Kesavulu, R.P.S. Chakradhar, A. Tarafder, S.K. Mohanty, J.L. Rao, B. Karmakar, S.K. Biswas, Microstructure, mechanical, thermal, EPR, and optical properties of $MgAl_2O_4:Cr^{3+}$ spinel glass-ceramic nanocomposites, *J. Alloy. Compd.*, 583 (2014) 498-509.
- [11] N.I. Radishevskaya, N.G. Kasatskii, A. Yu. Chapskaya, O.K. Lepakova, V.D. Kitler, Y.S. Naiborodenko, V.V. Vereshchagin, Self-Propagating high-temperature synthesis of spinel-type pigment, *Glass Ceram.* 63(1-2) (2006) 52-54.
- [12] N.V. Minh, I-S. Yang, A Raman study of cation-disorder transition temperature of natural $MgAl_2O_4$ spinel, *Vibrational Spectroscopy*, 35(1-2) (2004) 93-96.
- [13] D. Lenaz, V. Luzzi, Raman study of $MgCr_2O_4-Fe^{2+}Cr_2O_4$ and $MgCr_2O_4-MgFe^{3+}O_4$ synthetic series : the effects of Fe^{2+} and Fe^{3+} on Raman shifts, *Phys. Chem. Miner.*, 40 (2013) 491-498.
- [14] Z.V. Marinković Stanojević, N. Romčević, B. Stojanović, Spectroscopic study of spinel $ZnCr_2O_4$ obtained from mechanically activated $ZnO-Cr_2O_3$ mixtures, *J. Eur. Ceram. Soc.*, 27(2-3) (2007) 903-907.
- [15] M.C. Biesinger, B.P. Payne, A.P. Grosvenor, L.W.M. Lau, A.R. Gerson, R.C. Smart, Resolving surface chemical states in XPS analysis of first row transition metals, oxides and hydroxides: Cr, Mn, Fe, Co and Ni, *Appl. Surf. Sci.*, 257(7) (2011) 2717-2730.
- [16] C. Wu, F. Wu, L. Chen, X. Huang, X-ray diffraction and X-ray photoelectron spectroscopy analysis of Cr-doped spinel $LiMn_2O_4$ for lithium ion batteries, *Solid State Ionics*, 152-153 (2002) 335-339.

[17] F-Z. Akika, N. Kihal, T. Habila, I. Avramova, E. Suzer, B. Pirotte, S. Khelili, Synthesis and Characterization of $\text{Zn}_{(1-x)}\text{Ni}_x\text{Al}_2\text{O}_4$ Spinels as a New Heterogeneous Catalyst of Biginelli's Reaction. Bull. Korean Chem. Soc. 34(5) (2013) 1445-1453.