



Listă de lucrări publicate

INDEXATE ISI

Prim autor

1. **C. Virlan**, G. Bulai, O.F. Caltun, R. Hempelmann, and A. Pui, "Rare earth metals' influence on the heat generating capability of cobalt ferrite nanoparticles," *Ceram. Int.*, 42, 11958-11965, (2016).
Scor AIS: **3,000**; Factor de impact **2,986**
2. **C. Virlan**, O.F. Caltun, D. Lutic, and A. Pui, "New bio-surfactant used in the synthesis of functionalized nanoferrites as potential catalysts," *Curr. Nanosci.*, 13 (3), 247-253 (2017).
Scor AIS: **0,407**; Factor de impact **1,062**
3. **C. Virlan**, F. Tudorache, and A. Pui, "Increased sensibility of mixed ferrite humidity sensors by subsequent heat treatment," *Int. J. Appl. Ceram. Technol.*, 14(6), 1174-1182 (2017).
Scor AIS: **2,245**; Factor de impact **1,048**

Co-autor

1. D.G. Cozma, D. Gherca, I. Mihalcea, **C. Virlan**, N. Cornei, and A. Pui, "Correlation Between Size of CoFe_2O_4 Nanoparticles Determined from Experimental and Calculated Data by Different Mathematical Models," *Curr. Nanosci.*, 10 869–876 (2014).
Scor AIS: **0,407**; Factor de impact **1,062**
2. R.G. Ciocarlan, A. Pui, D. Gherca, **C. Virlan**, M. Dobromir, V. Nica, M.L. Craus, I.N. Gostin, et al., "Quaternary $\text{M}_{0.25}\text{Cu}_{0.25}\text{Mg}_{0.5}\text{Fe}_2\text{O}_4$ (M = Ni, Zn, Co, Mn) ferrite oxides: Synthesis, characterization and magnetic properties," *Mater. Res. Bull.*, 81, 63–70 (2016).
Scor AIS: **0,981**; Factor de impact **2,446**

INDEXATE BDI

1. **C. Virlan**, R. G. Ciocârlan, T. Roman, D. Gherca, N. Cornei, A. Pui, Studies on adsorption capacity of cationic dyes on several magnetic nanoparticles, *Acta Chemica Iasi*, 21, 19-30 (2013)