

The properties of spherical $\text{Zn}_2\text{SiO}_4\text{:Mn}$ phosphor particles after ball-milling process

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$\text{Zn}_2\text{SiO}_4\text{:Mn}$ phosphor particles were prepared by spray pyrolysis. The particles had a spherical and dense morphology even after post treatment. After reducing process, the phosphor particles were milled to obtain the separated particles. In result, we had observed luminescence characteristics under VUV excitation light and shape of $\text{Zn}_2\text{SiO}_4\text{:Mn}$ phosphor particles.