

“Reliable Synthesis and Spectral Analysis of a Historically Notable Inorganic Phosphor”

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Our research team will investigate the synthesis and analysis of the Bologna Stone, an inorganic phosphorescent mineral discovered in the seventeenth century. We will use modern lab equipment to prepare samples of this mineral which we can analyze to determine its emission spectrum and emission lifetime. We will also investigate the effect of various natural impurities on the color and the duration of the emitted light.