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Structural and spectroscopic characterization of irreversible phase changes in rapidly heated precursors of europium-doped titania nanoparticles

Ray Gunawidjaja, Benjamin R. Anderson, Hergen Eilers



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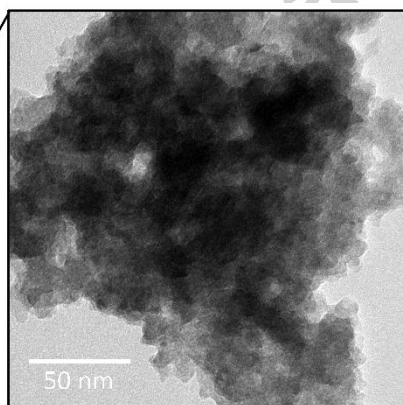
Ray Gunawidjaja*, Benjamin R. Anderson, and Hergen Eilers

Applied Sciences Laboratory, Institute for Shock Physics, Washington State University, Spokane, WA 99210-1495, United States

Corresponding Author

*Phone: 001 (509) 358-7726. Fax: 001 (509) 358-7728. E-mail: rayg@wsu.edu

Graphical abstract



The as-prepared europium doped titania ($p\text{-Eu:TiO}_2$) nanoparticles observed with a red filter under a 254 nm UV light showing fluorescence. Inset is the TEM micrograph showing the morphology.

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