

Abstract Submitted
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Blinking in Small Clusters of Semiconductor Nanocrystals KEVIN WHITCOMB, Colorado State University — The fluorescence blinking of individual semiconductor nanocrystals (NCs) is also observed in small systems of NCs. Clusters containing fewer than a dozen interacting NCs exhibit an enhanced blinking due to interactions within the cluster. The dynamics of this blinking support a model in which energy transfer to a single NC within the cluster dominates the fluorescence of the entire cluster.

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