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Synthesis of Ternary Metal Chalcogenide Colloidal Nanocrystals in Aqueous Solutions*

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Colloidal quantum dots (QDs) of AgInS₂ and CuInS₂ and corresponding core shell structures were synthesized in aqueous solution using L-Glutathione and sodium citrate as stabilizing agents. The samples were characterized by means of absorption and photoluminescence spectroscopies.

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