Poster Presentation

## [PHp2]QD Phosphors

Special Topics of Interest on Quantum Dot Technologies Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

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## [PHp2-3L]Ligand Exchange of Core/Shell CuInS<sub>2</sub>/ZnS Quantum Dots for Preparation of Their Homogeneous Ink

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1-Dodecanethiol on  $CuInS_2/ZnS$  quantum dots (QDs) was exchanged with cyclohexanethiol. The obtained QDs were transparently dispersed in alicyclic diepoxy compound to yield the QD ink for ink-jet printing. This homogeneous dispersion is attributed to similarity in molecular structure between the ligand and the ink component.