## **Accepted Manuscript**

Title: Enhanced luminescence of quantum dot/dielectric layer/metal colloid multilayer thin films

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PII: S0169-4332(13)02277-0

DOI: http://dx.doi.org/doi:10.1016/j.apsusc.2013.12.019

Reference: APSUSC 26844

To appear in: APSUSC

Received date: 12-11-2013 Revised date: 2-12-2013 Accepted date: 5-12-2013

Please cite this article as: B.-T. Liu, T.-H. Liao, S. Tseng, M.-H. Lee, Enhanced luminescence of quantum dot/dielectric layer/metal colloid multilayer thin films, *Applied Surface Science* (2013), http://dx.doi.org/10.1016/j.apsusc.2013.12.019

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## ACCEPTED MANUSCRIPT

- Quantum dot hybrid thin films with enhanced photoluminescence (PL) were prepared.
- Optimal excitation wavelength for the hybrid films is controllable.
- Optimal distance and PL enhancement reduced with increase of dielectric constant.
- Decrease of enhancement factor arises from increase of resonant energy transfer.

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