

Accepted Manuscript

Title: Organometal halide perovskite quantum dots: synthesis, optical properties, and display applications

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PII: S1001-8417(16)30219-4
DOI: <http://dx.doi.org/doi:10.1016/j.ccllet.2016.06.047>
Reference: CCLET 3775

To appear in: *Chinese Chemical Letters*

Received date: 17-5-2016
Revised date: 7-6-2016
Accepted date: 21-6-2016

Please cite this article as: G.-L. Yang, H.-Z. Zhong, Organometal halide perovskite quantum dots: synthesis, optical properties, and display applications, *Chinese Chemical Letters* (2016), <http://dx.doi.org/10.1016/j.ccllet.2016.06.047>

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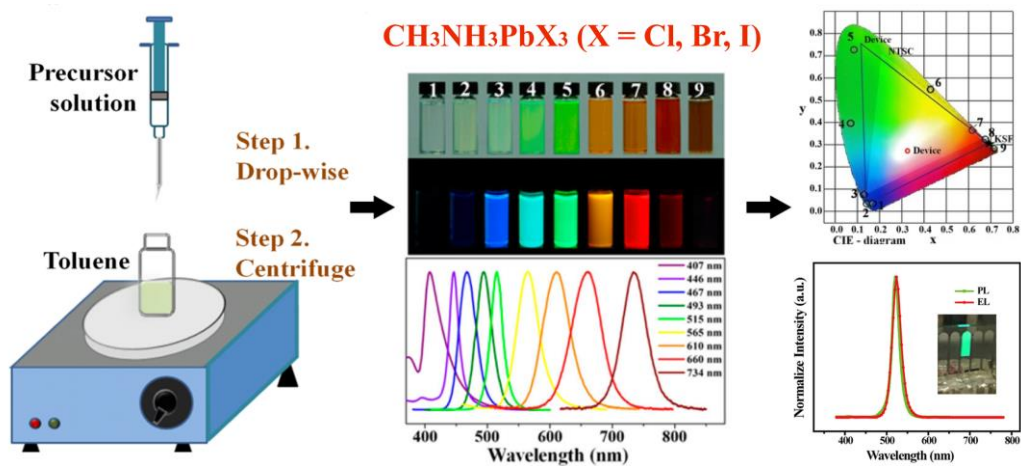


Graphical Abstract

Organometal halide perovskite quantum dots: synthesis, optical properties, and display applications

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In recent two years, organometal halide perovskites quantum dots have been intensively investigated as a new member of the nanocrystal's family. These perovskites quantum dots exhibit high photoluminescence quantum yields (60-90%), wide wavelength tenability (400-800 nm), and ultra-narrow band emissions (< 30 nm), the combination of these superior optical properties and low cost fabrication makes them to be potential candidates for lighting and display technology.

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