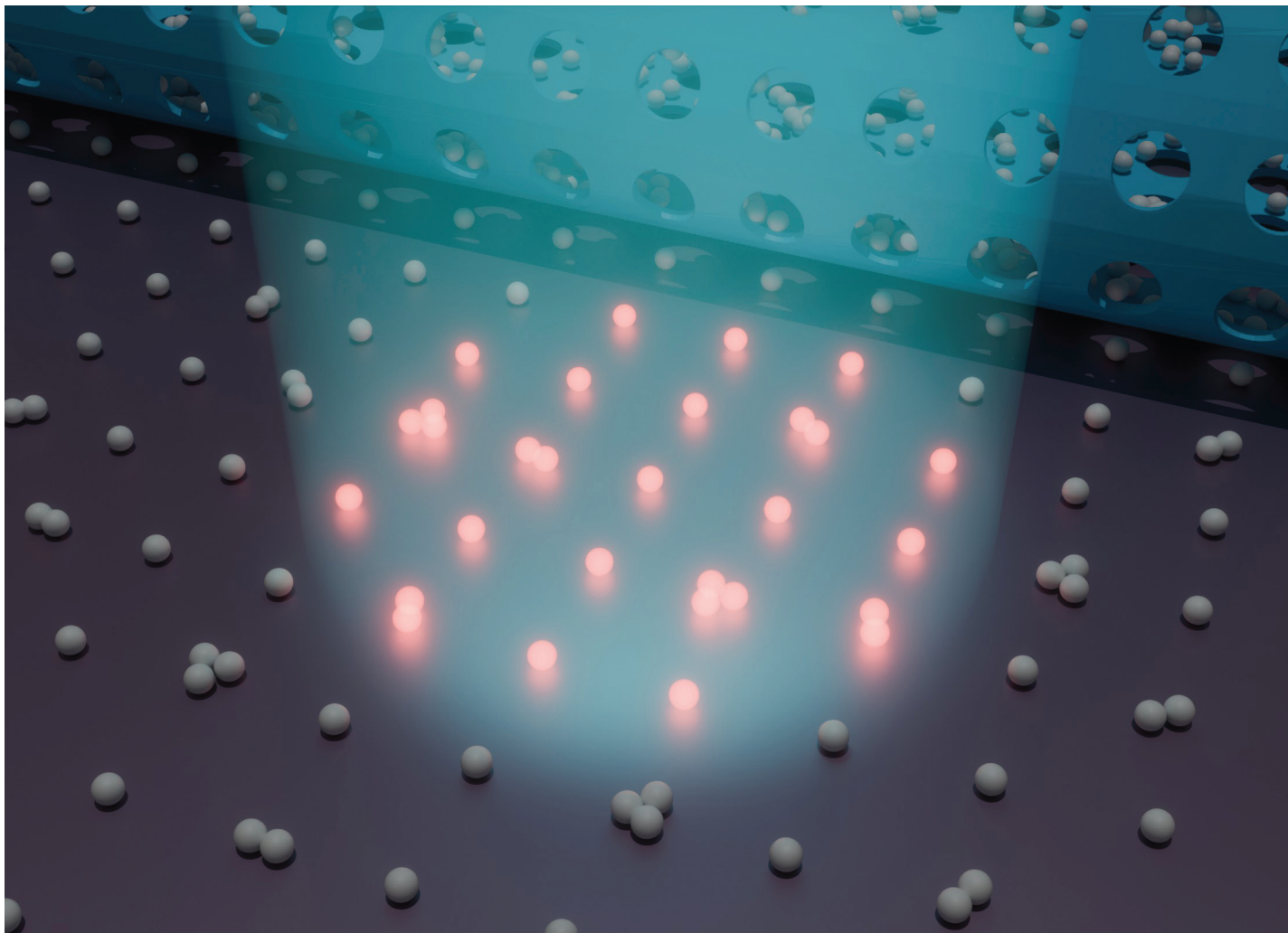


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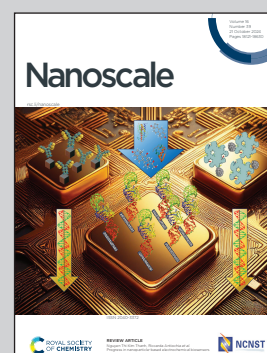


Showcasing research from Singapore University of Technology and Design (SUTD), Institute of Material Research and Engineering (IMRE, A*STAR), and Nanyang Technological University (NTU).

Deterministic positioning of few aqueous colloidal quantum dots

A method for the localization of water-dispersed silica-coated quantum dots (QDs) by using a drop casting method on a lithographically prepared template of polymethyl methacrylate (PMMA) in a saturated ethanol vapor followed by lift-off process. Large area deposition for a few to single particle deposition is achieved by a single step process with enhanced capillary force assembly. This method offers potential use for complex photonic platform integration.

As featured in:



See Deepshikha Arora, Hilmi Volkan Demir, Joel K. W. Yang, Lu Ding *et al.*, *Nanoscale*, 2024, **16**, 18339.