

Advanced Energy Materials and Research

Ordered liquid crystal hierarchical superstructures enabled by photoalignment

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Multiscale hierarchical superstructures are essential for the development of advanced energy materials. In this work, we demonstrate the fabrication of ordered liquid crystal hierarchical superstructures enabled by photoalignment. The superstructures are characterized by a well-defined hierarchical structure, which is beneficial for the improvement of the performance of the materials. The results show that the photoalignment method is an effective way to fabricate ordered liquid crystal hierarchical superstructures.