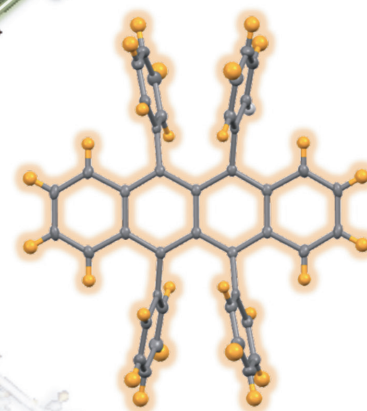
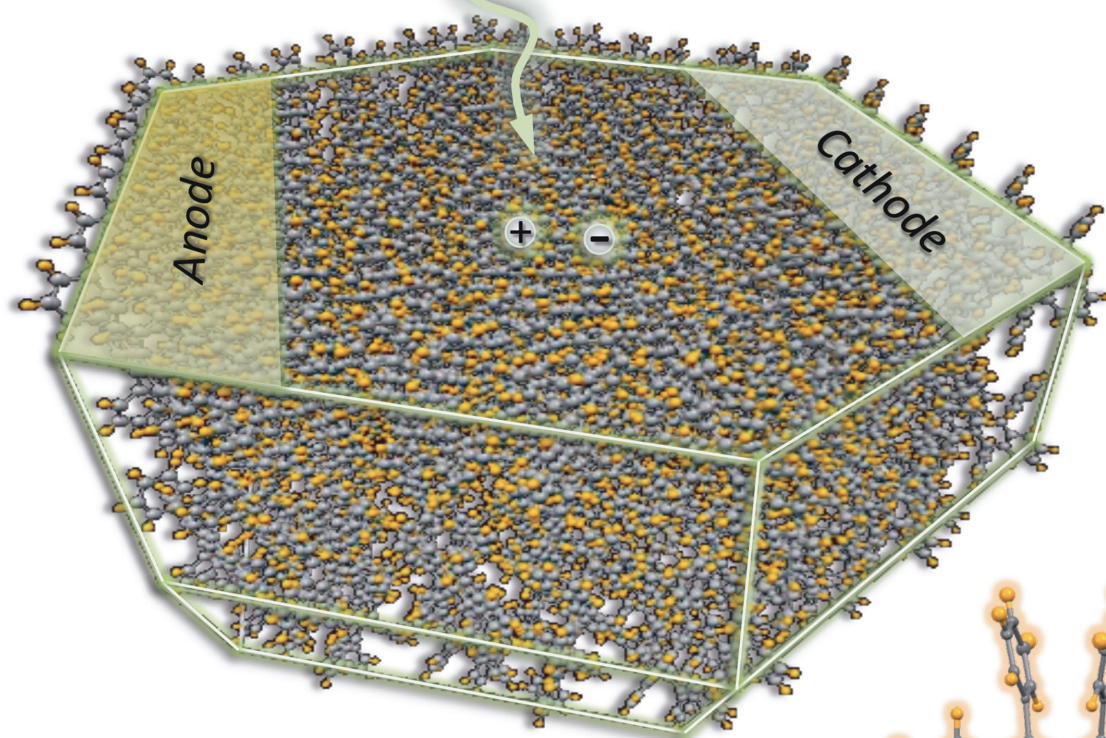


ADVANCED FUNCTIONAL MATERIALS



RUBRENE

Due to exceptional structural order and satisfactory material purity, organic single crystals in various heterostructures can serve as model systems for studying the fundamental photophysical processes that constitute organic photovoltaic device operation. On page 1039, V. V. Duzhko, A. L. Briseno, and co-workers introduce a photovoltaic device architecture based on the Schottky heterojunction of rubrene single crystals with metal electrodes and provide a comprehensive description of the mechanism of photovoltaic effect formation.