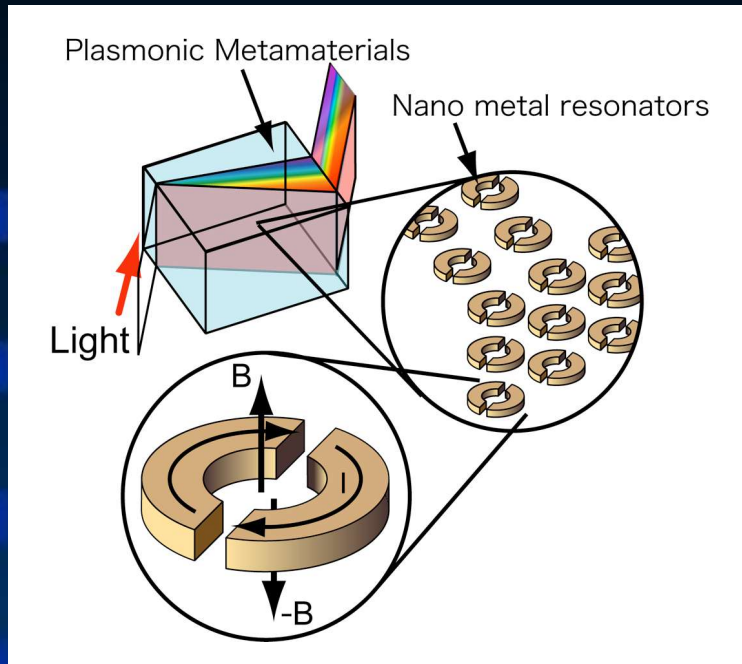
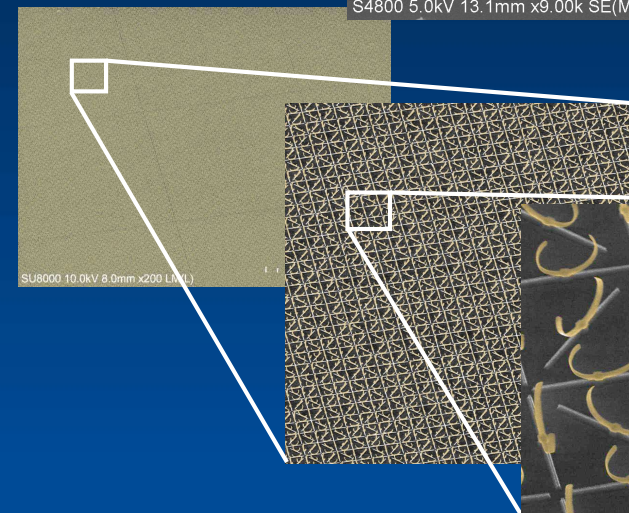
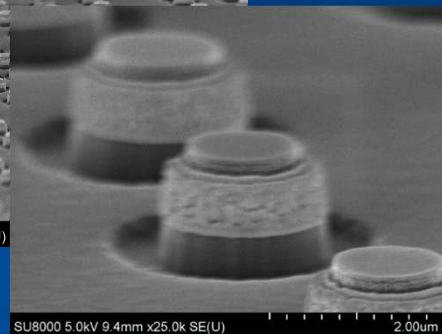
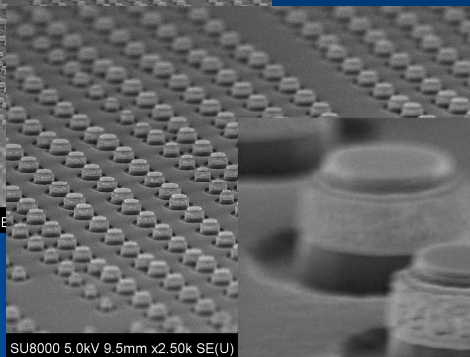
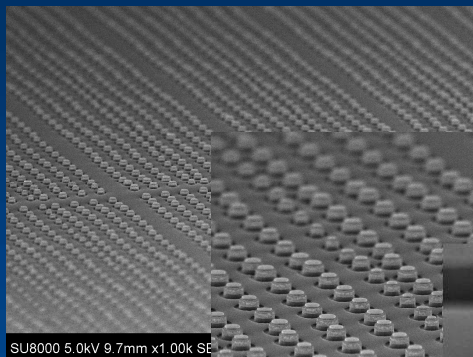
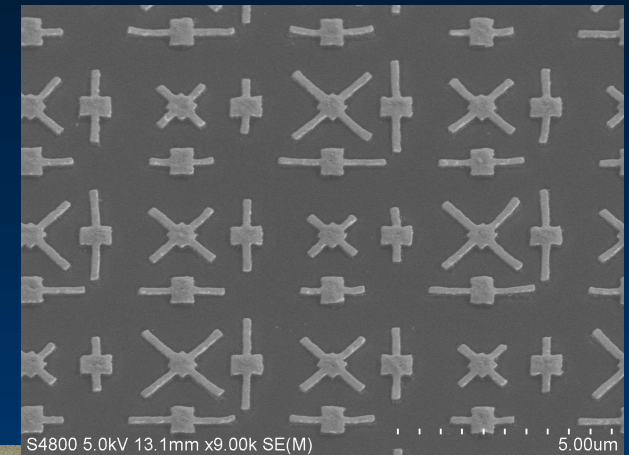
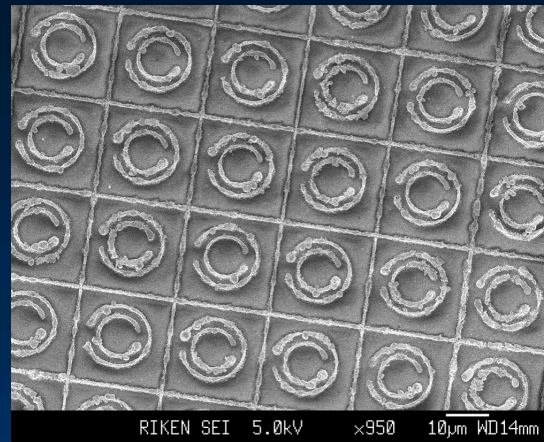


理化学研究所 光量子工学研究センター メタフォトンクス研究チーム 田中拓男

光メタマテリアルとは

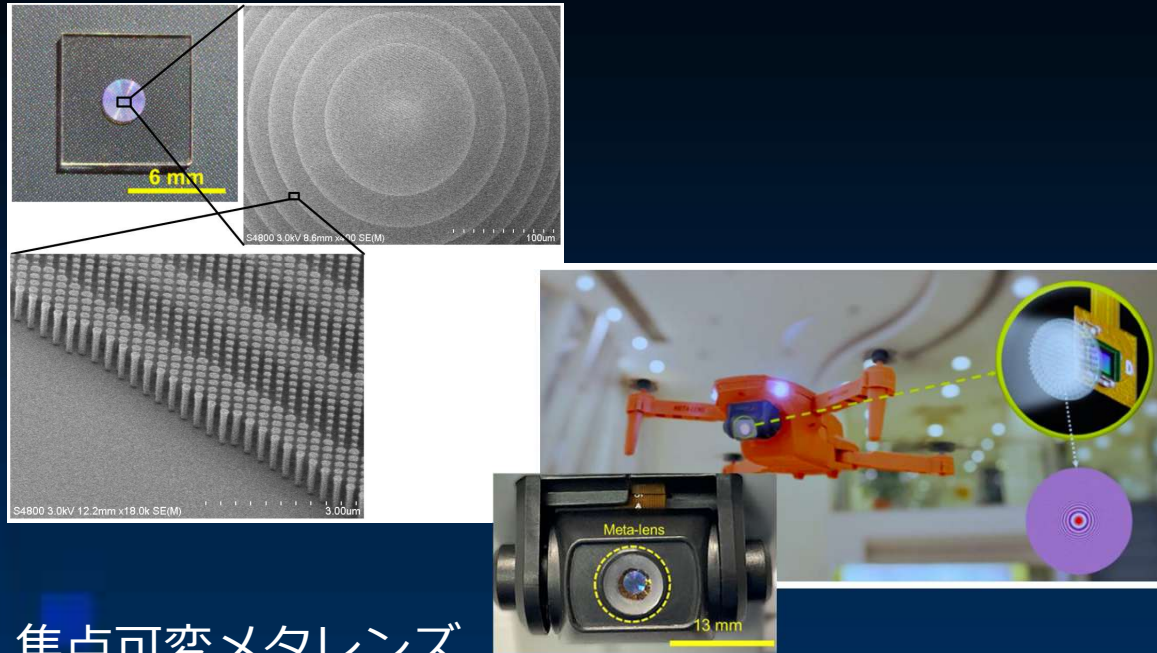


光の波長より細かな人工構造で物質の光学特性（屈折率など）を制御した物質

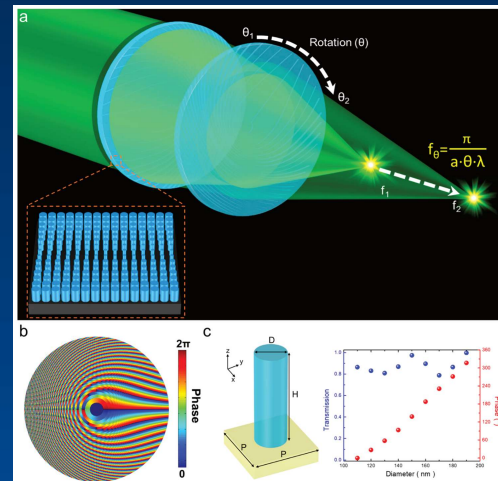
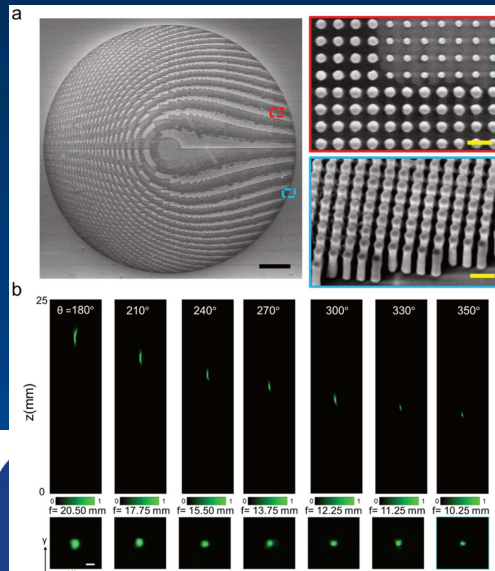


光メタマテリアルの応用

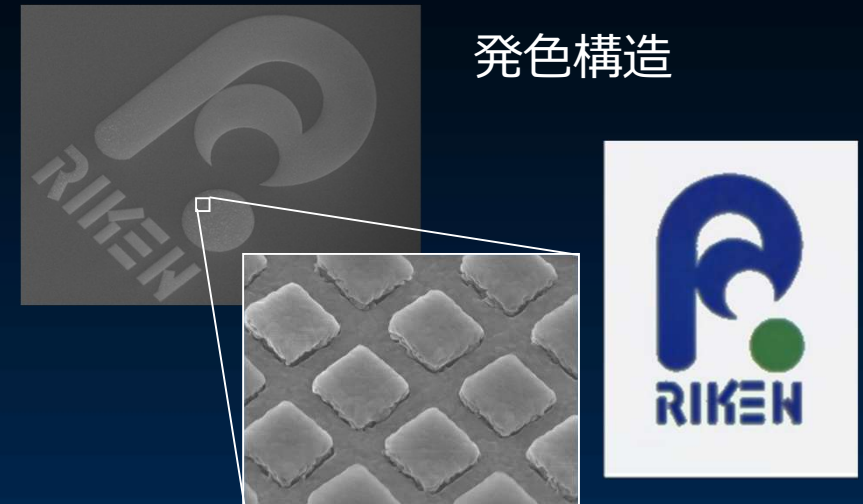
メタレンズ：極薄かつフラットなレンズ



焦点可変メタレンズ

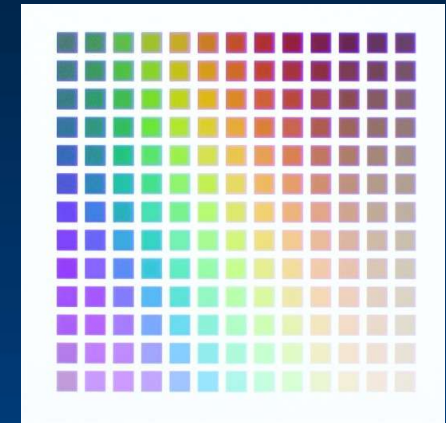


メタマテリアル吸収体：完全吸収体の実現



発色構造

色褪せない発色体



フラットな構造で“黒”を実現

