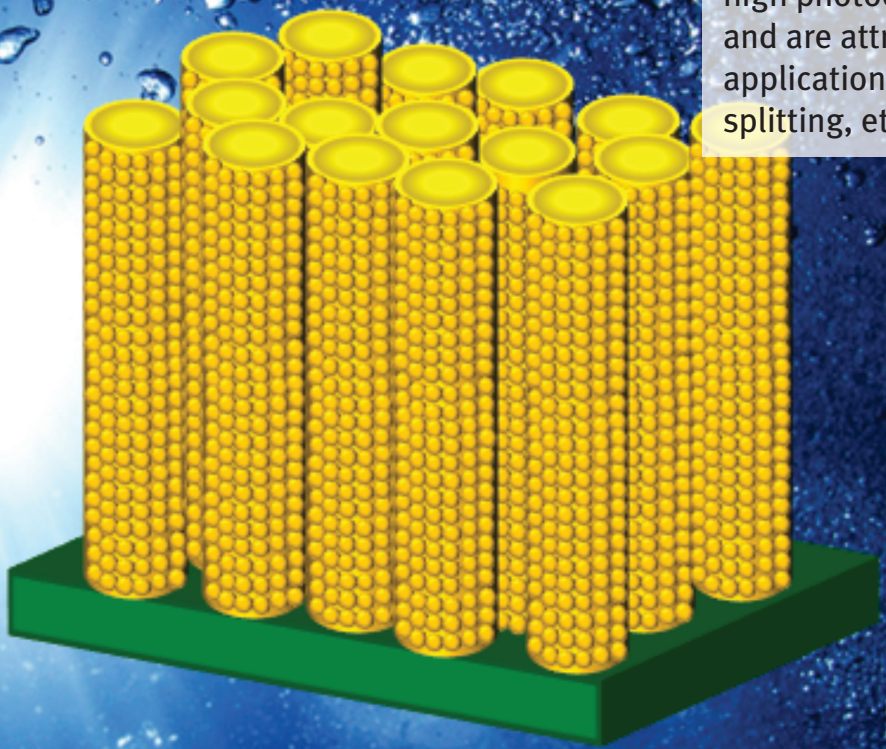
NANO MICRO
small

## Heterojunctions

By subjecting 1D rutile $TiO_2$ nanorod arrays (the structure-directing scaffold) and a $TiO_2$ source to two consecutive hydrothermal reactions, densely aligned $SrTiO_3$-modified rutile $TiO_2$ heterojunction photocatalysts are crafted by C. J. Lin, L. Sun, Z. Q. Lin, and co-workers. On page 1436, such 1D perovskite-decorated semiconductor nanoarrays exhibit high photocatalytic performance and are attractive for optoelectronic applications in photovoltaics, water-splitting, etc.



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**One-Dimensional Densely Aligned Perovskite-Decorated Semiconductor Heterojunctions with Enhanced Photocatalytic Activity**
C. J. Lin, L. Sun, Z. Q. Lin, and co-workers