Heterogeneous & Homogeneous & Bio- & Nano-

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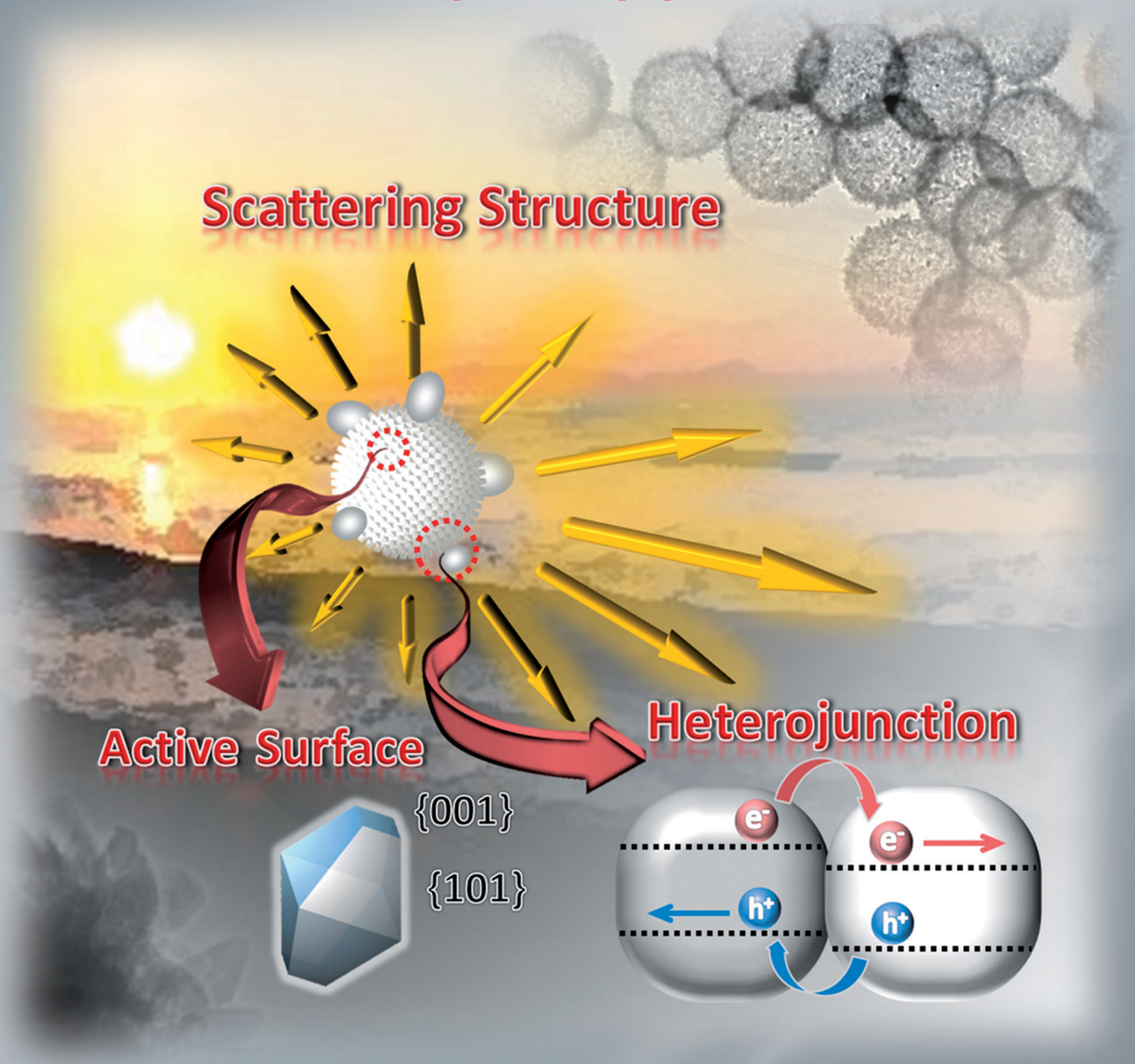

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Enhanced effective photocatalyst!

The cover picture shows the photodegradation of methylene blue by a heterogeneous mixture of highly uniform hollow spheres, assembled from truncated rhomboid anatase TiO_2 nanoparticles and conventional micro-sized TiO_2. In their Full Paper on p. 1871 ff., C.-Y. Lee et al. reveal the factors that enhanced the photocatalytic performance. The scattering structure enhanced the light harvesting, the heterojunction increased the photo-efficiency, and the active surface, {101} and {001}, improved the reaction activity. The rate constant for methylene blue degradation by this catalyst was approximately twice that of commercial P25.

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