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Recent advancements in plasmon-enhanced visible light-driven water splitting

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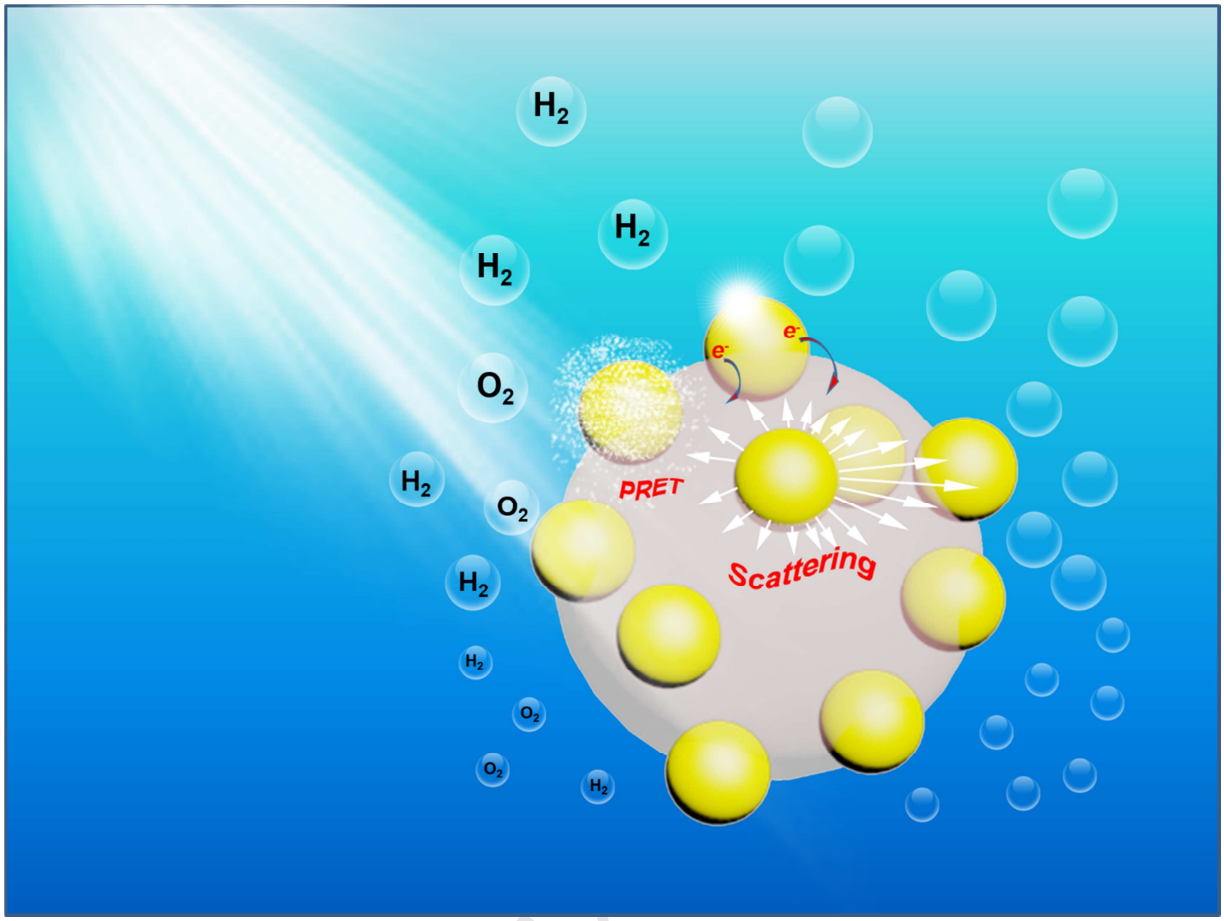

The most recently advancements in visible light-driven plasmon-enhanced water splitting were reviewed according to different enhancement mechanisms. Moreover, the influencing factors, such as shape, size and geometric position of metallic nanostructures, in plasmonic-metal/semiconductor system were also discussed in detail.