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## Supplementary Information for High Efficient and Ultrastable Visible-light Photocatalytic Water Splitting over ReS<sub>2</sub>

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The band structures and density of states of 2-, 3-, 4-, 5-layer ReS<sub>2</sub>.

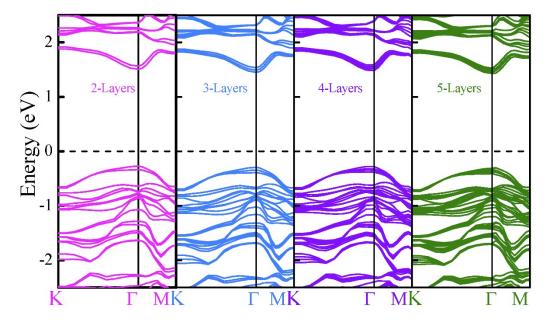


Figure. S1 Band structures of 2-, 3-, 4-, 5- layer ReS<sub>2</sub>. The Fermi energy is positioned as zero.

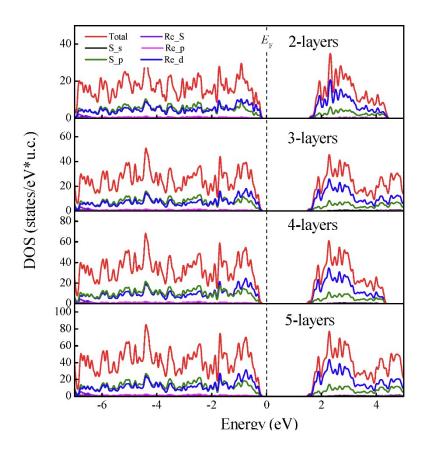


Figure. S2 Density of states of 2-, 3-, 4-, 5- layer ReS<sub>2</sub>. The Fermi energy is positioned as zero.