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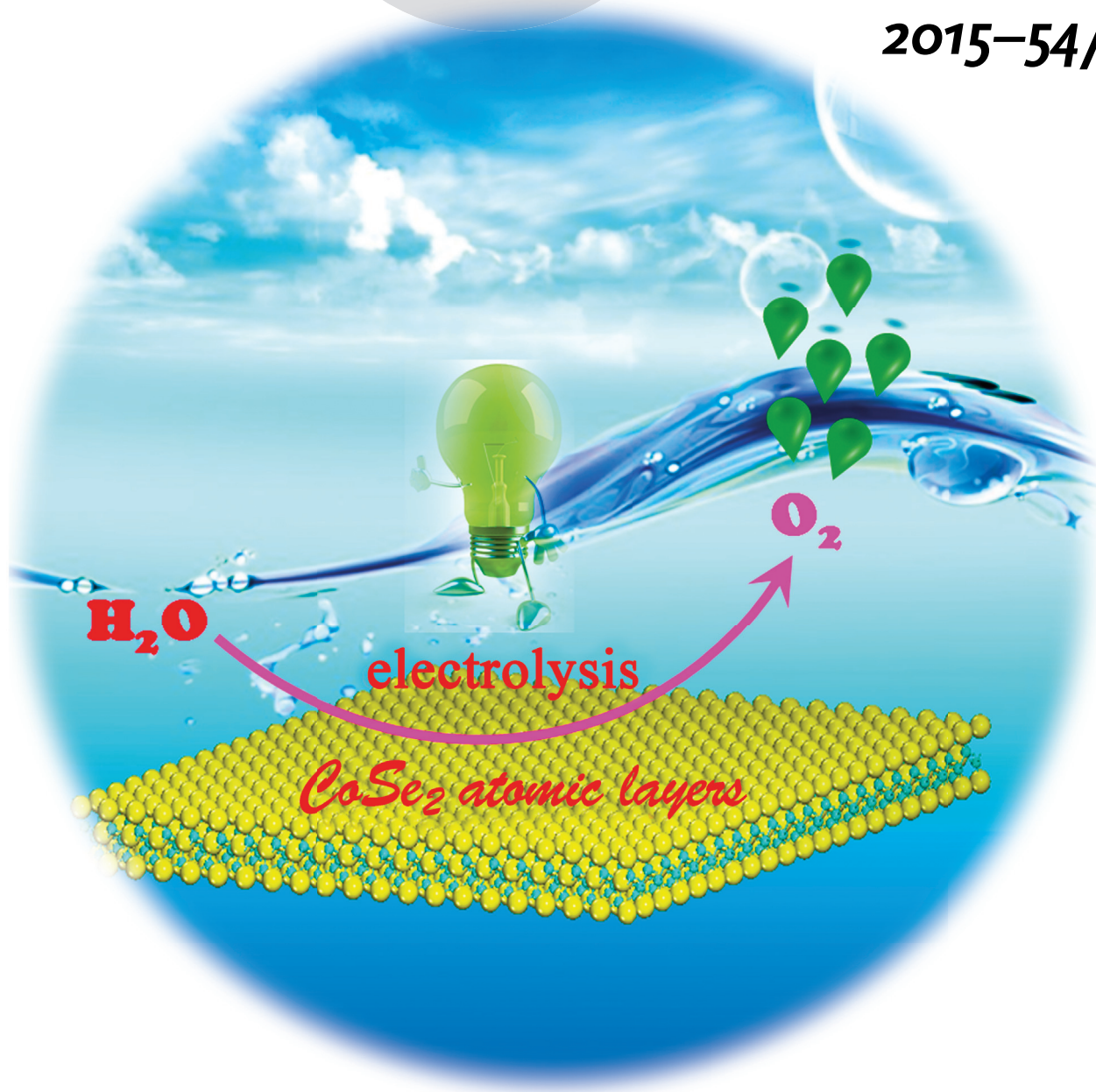
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Single-unit-cell ...

... orthorhombic CoSe₂ sheets are prepared by thermally exfoliating a lamellar CoSe₂-DETA hybrid. As shown by Y. Sun, S. Wei, Y. Xie et al. in their Communication on page 12004 ff., the single-unit-cell thickness means that 66.7% of the Co²⁺ ions are exposed on the surface and are low coordinate (coordination numbers of 1.3 and 2.6), leading to a lower Tafel slope (64 mV dec⁻¹) and a higher turnover frequency (745 h⁻¹) in water splitting.

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