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# Facile Microwave Assisted Synthesis of N-rich Carbon Quantum Dots/Dual-Phase TiO<sub>2</sub> Heterostructured Nanocomposites with High Activity in CO<sub>2</sub> photoreduction

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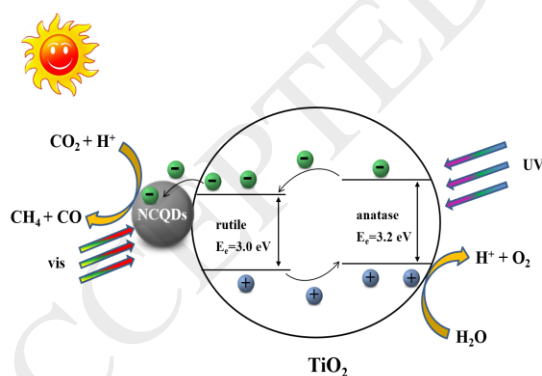
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## Graphical abstract



## Highlights

- N-rich carbon quantum dots decorated two-phase TiO<sub>2</sub>
- Photosensitization and up-conversion of N-rich carbon

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