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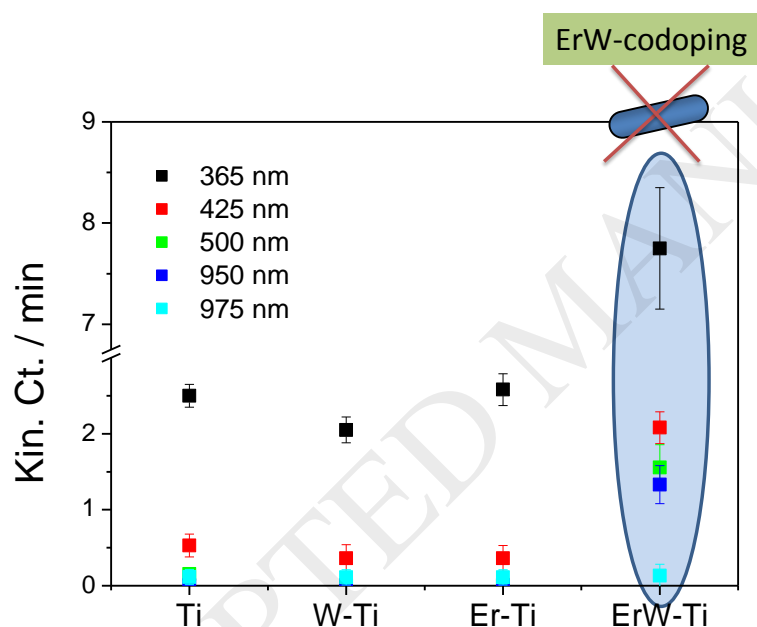
## Er-W codoping of TiO<sub>2</sub>-anatase: structural and electronic characterization and disinfection capability under UV, visible, and near-IR excitation

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### Graphical abstract



### Highlights

- Er-W codoping of TiO<sub>2</sub>-anatase materials
- *E. coli* and *S. aureus* photoinactivation under UV, Visible, and nearIR light illumination
- Characterization unveils the unique structural characteristics of the codoped catalyst
- Analysis of charge carriers to identify their role as a function of excitation wavelength

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