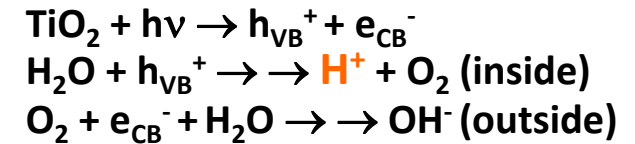
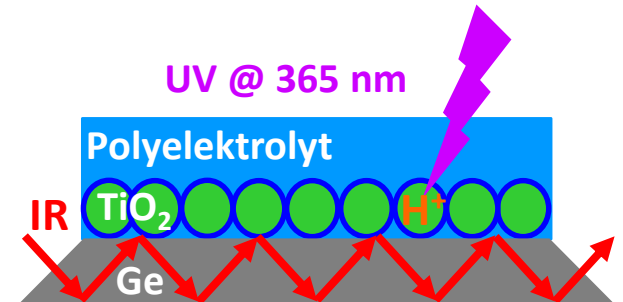
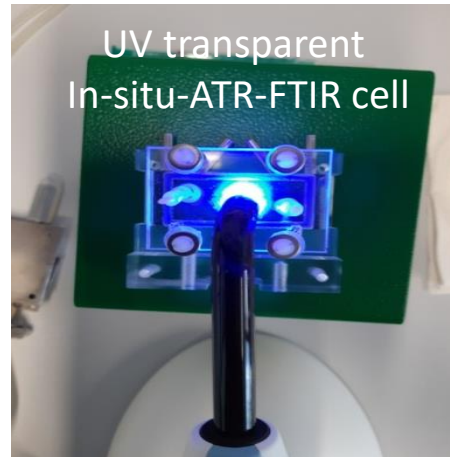


Water-Splitting-Filme aus Polyelektrolyten und TiO₂

Material: Polyelektrolyte
TiO₂

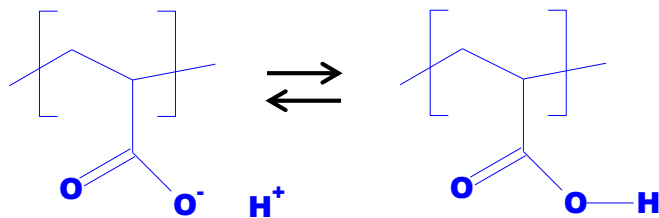
Substrat: Germanium

Methode: UV-Illumination
in-situ-ATR-FTIR
Micro-pH-Meter



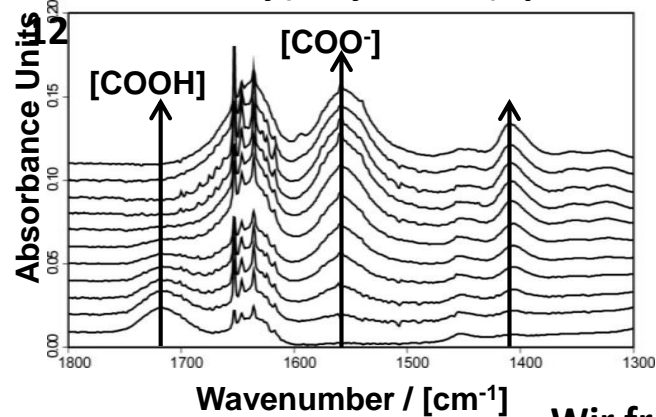
Frage: Zeigen Schichtsysteme aus Polyelektrolyten und TiO₂ einen photokatalytischen pH Effekt?

Poly(acrylic acid)



$$\text{pH} = \text{pK}_s + \log\left(\frac{[\text{COO}^-]}{[\text{COOH}]}\right)$$

ATR-FTIR: Poly(acrylic acid), pH=2-



Wir freuen uns auf eure
Rückmeldung!

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