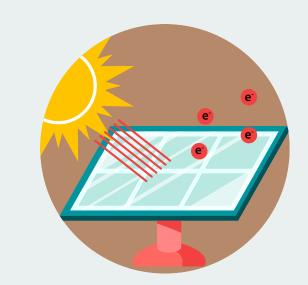
## Tuning Photocatalytic Properties with Light Intensity



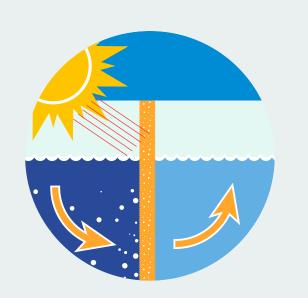
Photoactive molecules sensitive to light are used as catalysts for:



Artificial photosynthesis



Energy storage solutions

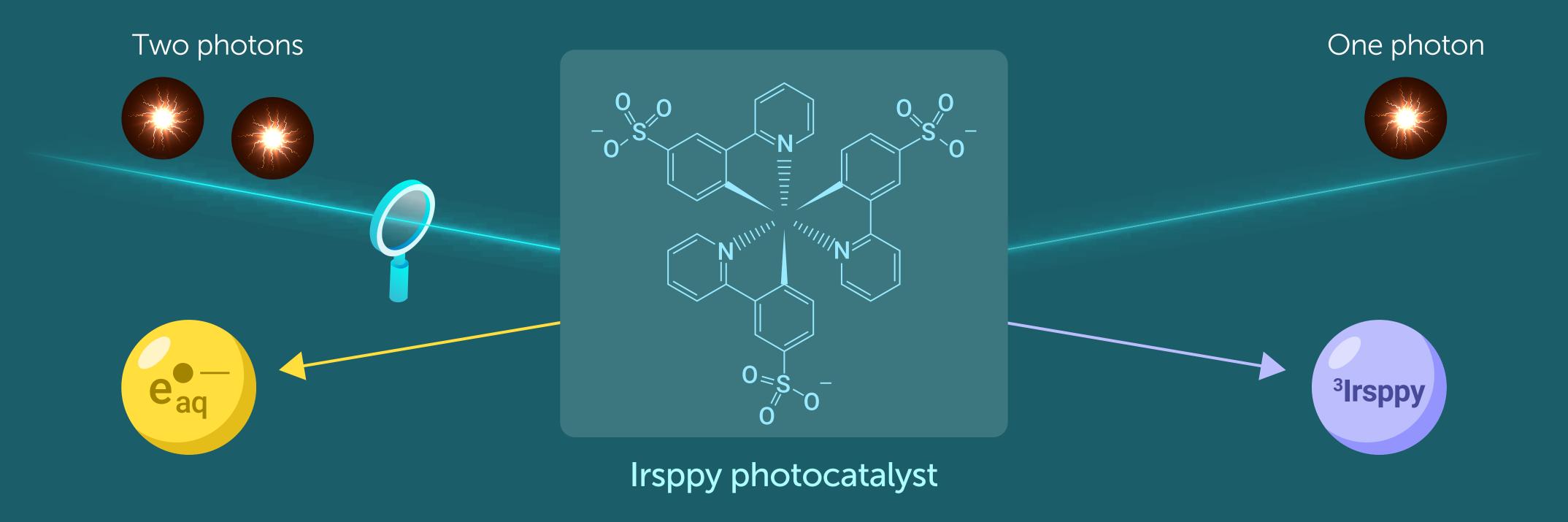


Pollutant degradation

But photocatalysts are expensive and need optimization for different reactions

A continuous wave blue diode (447 nm) and an inexpensive lens was used to control reaction pathway

Selective conversion of the same substrate into different products under very similar conditions



Combining a photocatalytic system with a variable intensity light source can help carry out a wide range of chemical reactions

