

## In this issue

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### Optical oxygen sensing with quantum dot conjugates

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**Invited paper:** This review details the design, synthesis, and characterization of optical oxygen sensors that combine a fluorescent semiconductor quantum dot (QD) with an oxygen-responsive phosphorescent molecule.

**Keywords:** FRET; IUPAC-SOLVAY International Award for Young Chemists; oxygen sensor; porphyrin; quantum dot; self-assembly; two-photon spectroscopy.

