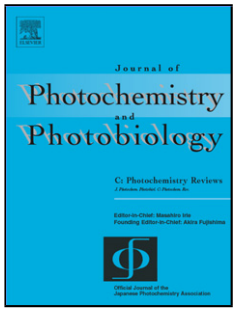

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Fluorescent Chemosensors for Copper(II) Ion: Structure, Mechanism and Application

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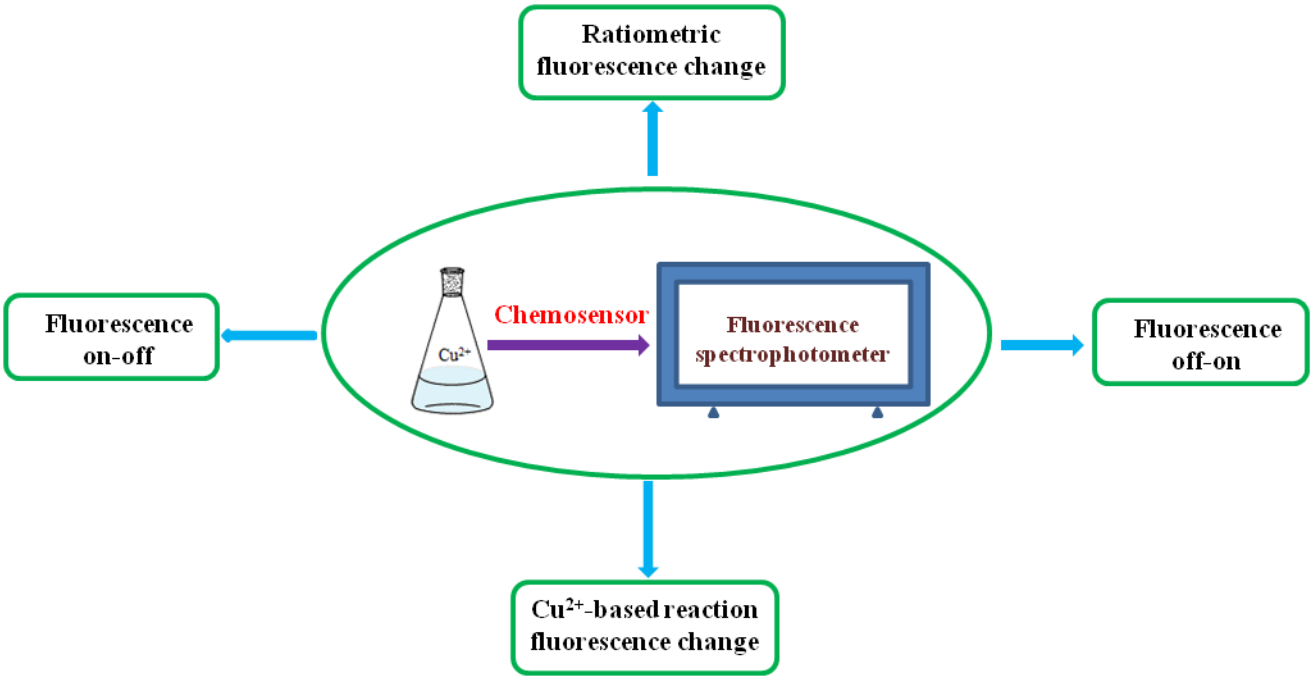

Highlights

- This review provides a comprehensive overview of fluorescent chemosensors for copper(II) ion.
- Three main types, namely, “on-off”, “off-on” and ratiometric fluorescence chemosensors for copper(II) ion are discussed systemically.
- Cu^{2+}-promoted reaction based chemosensors are summarized briefly.