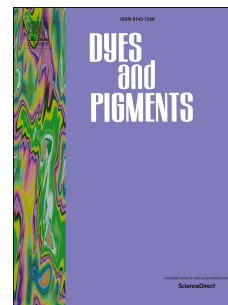


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Structure property relationships of tunable Donor-Acceptor functionalized Dipyrrrolopyrazine derivative as Selective reversible acid base sensor

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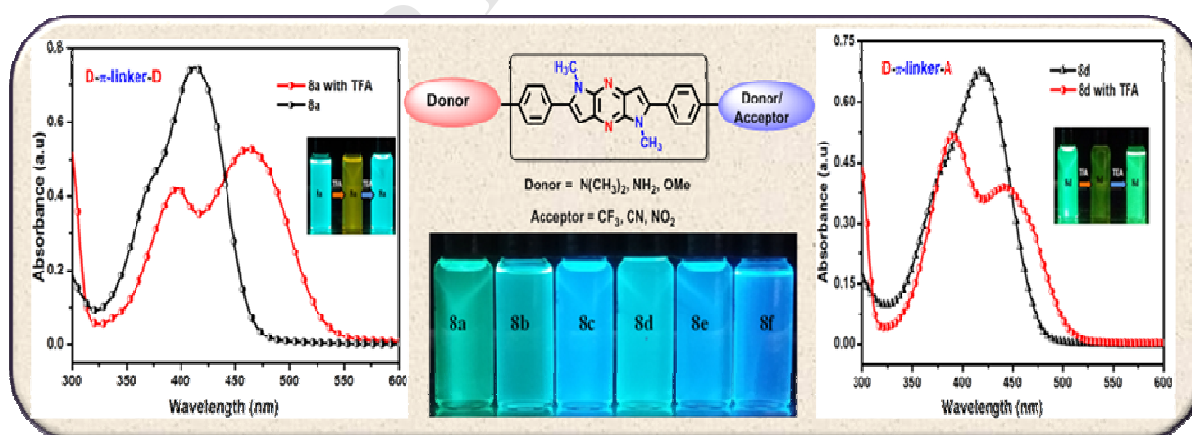
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High lights:

- 1) Six DPP-based dyes have been designed and synthesized via Sonogashira and Buchwald reaction.
- 2) All the dyes exhibit notable absorption and emission spectra upon treatment with TFA, acting as selective reversible acid-base sensor.
- 3) Optical, thermal, electronic, and morphological properties have been studied.
- 4) SEM analysis indicates the formation of nanorods and microrods.

Graphical abstract



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