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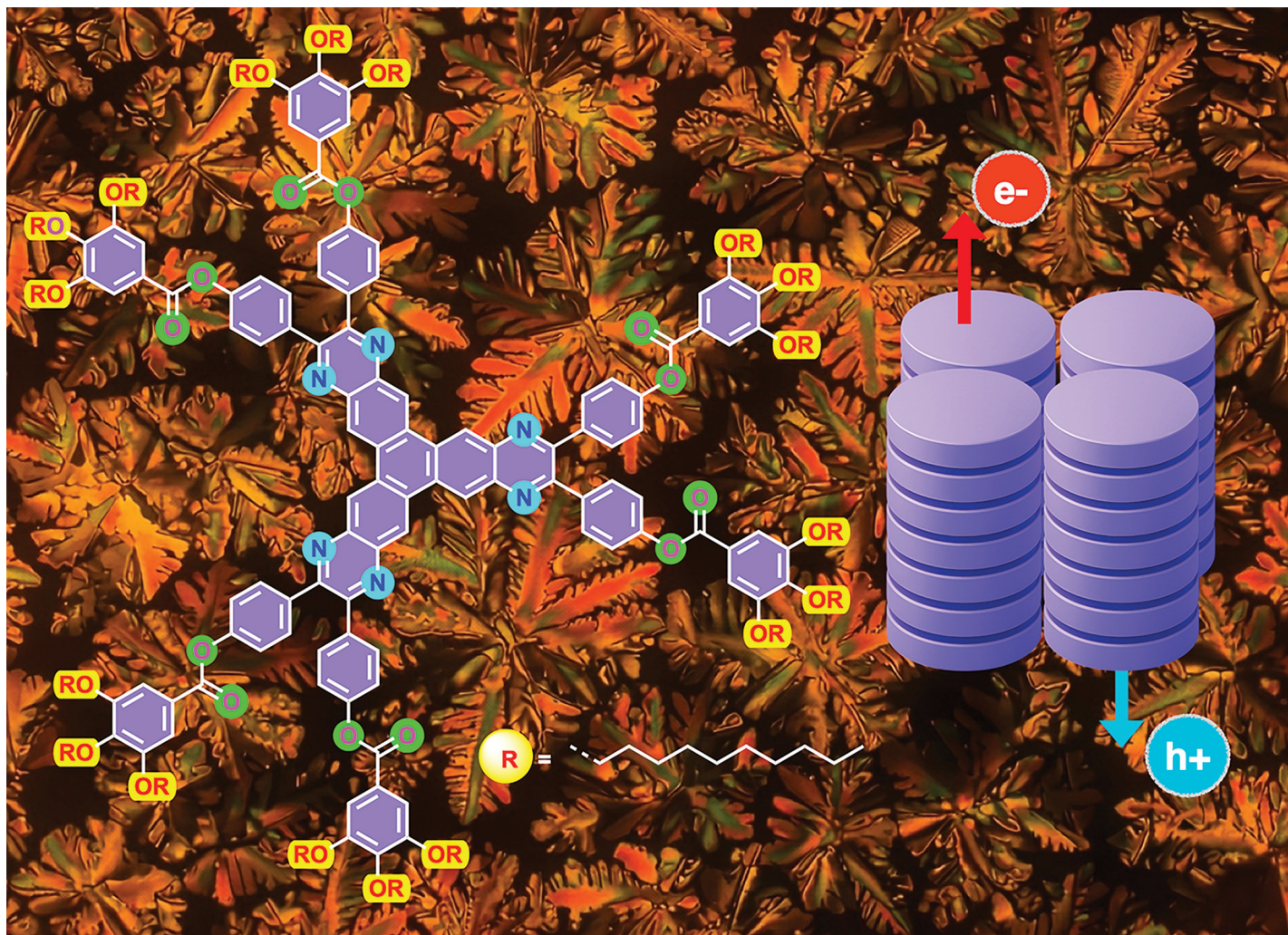


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Showcasing research from Professor A.S. Achalkumar's laboratory, Department of Chemistry, IIT Guwahati, Guwahati, Assam, India.

Benzotriquinoxaline-based discotic liquid crystals stabilizing room temperature columnar self-assembly with high charge carrier mobility

Large core benzotriquinoxaline based discotic liquid crystal stabilizing room temperature columnar rectangular phase and ambipolar charge carrier mobility. A change from ester to amide connecting group alters the phase behavior and charge transport behavior.

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As featured in:



See Dharmendra Pratap Singh, Ammathnadu Sudhakar Achalkumar *et al.*, *Chem. Commun.*, 2026, **62**, 9642.