

Environmental Science: Advances

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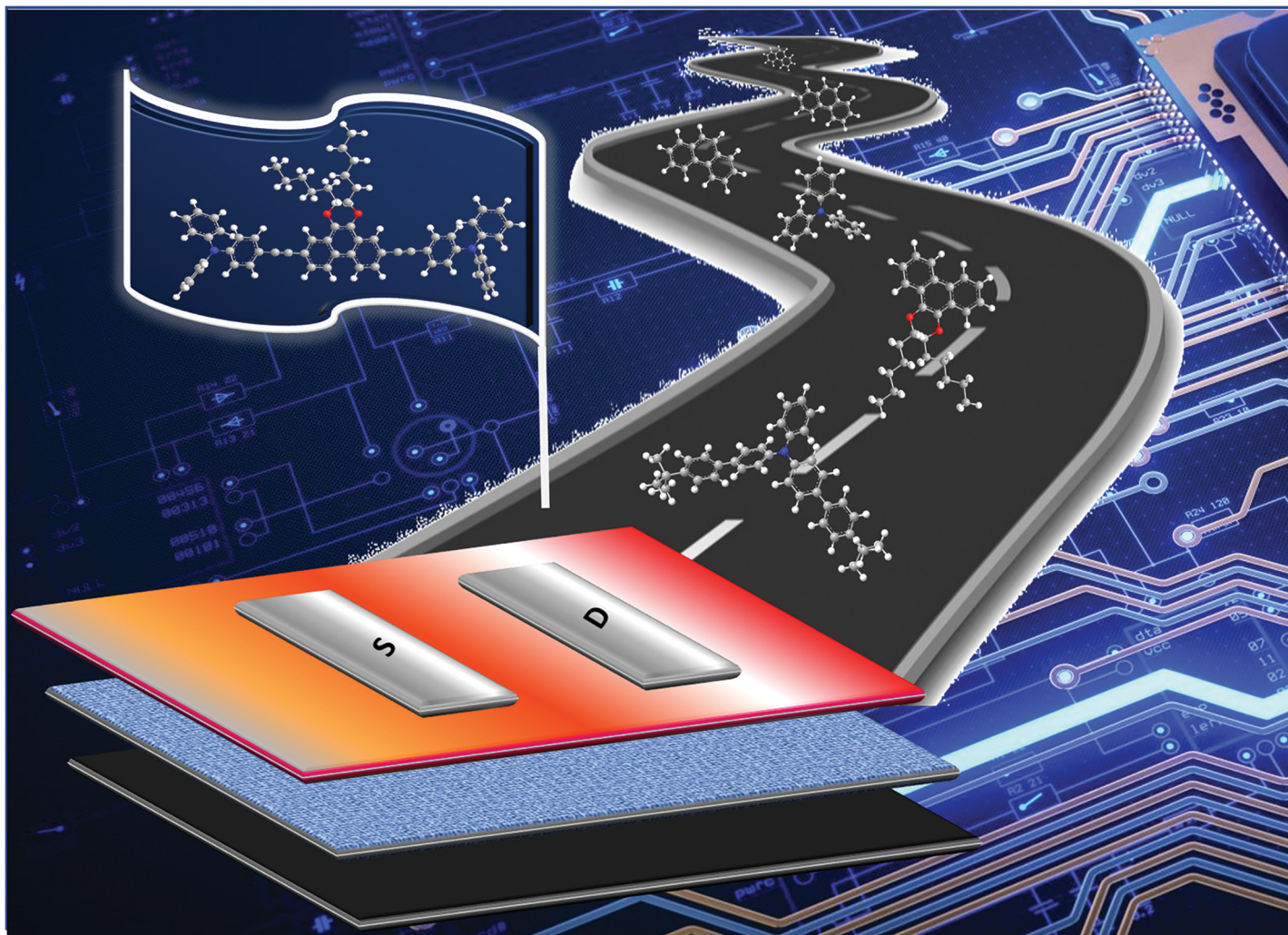
Uniting disciplines to solve
environmental challenges

APCs waived until mid-2024

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Fundamental questions
Elemental answers



Showcasing research from Prof. S. Nagarajan's Laboratory, Department of Chemistry, Central University of Tamil Nadu, Thiruvavur, INDIA.

Acetylene bridged alkoxyphenanthrene and triarylamine-based triads for low threshold voltage with high mobility OFETs

New highly conjugated semiconducting triarylamine-based alkoxyphenanthrenes with acetylene bridges were synthesized for high-performance *p*-channel OFETs. The devices exhibited a carrier mobility of $3.5 \text{ cm}^2/\text{Vs}$ with an ON/OFF ratio of 10^8 and the lowest threshold voltage of -3 V .

As featured in:



See Samuthira Nagarajan *et al.*, *Mater. Chem. Front.*, 2023, 7, 2225.

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