

Environmental Science: Advances

GOLD
OPEN
ACCESS

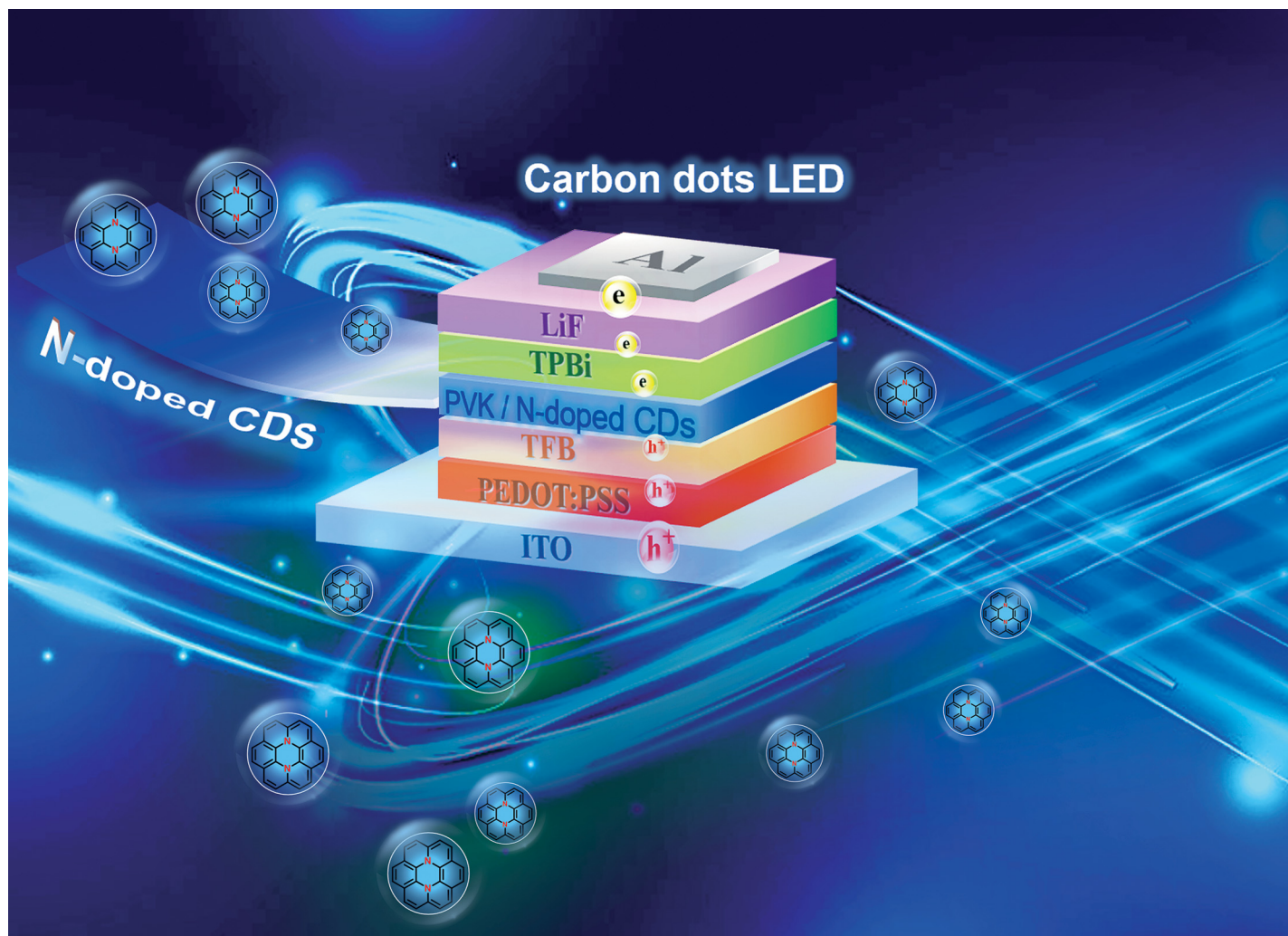
Uniting disciplines to solve
environmental challenges

APCs waived until mid-2024

rsc.li/esadvances

 @EnvSciRSC

Fundamental questions
Elemental answers

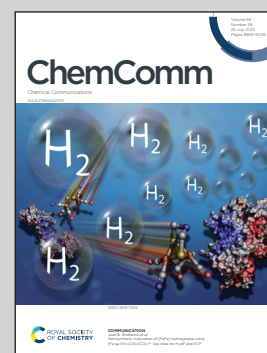


Showcasing research from Professor Tong and Jian's laboratory, Shantou University, Shantou, China.

Nitrogen-doped carbon dots for efficient deep-blue light-emitting diodes with CIE closely approaching the HDTV standard color Rec.BT.709

Carbon dots (CDs) are promising luminescent and display materials with non-toxicity, cost-effectivity, excellent conductivity, and high stability. The realization of deep-blue LED devices using CDs is a promising prospect for the next generation of optoelectronic technologies.

As featured in:



See Jing-Xin Jian,
Qing-Xiao Tong *et al.*,
Chem. Commun., 2023, **59**, 8933.