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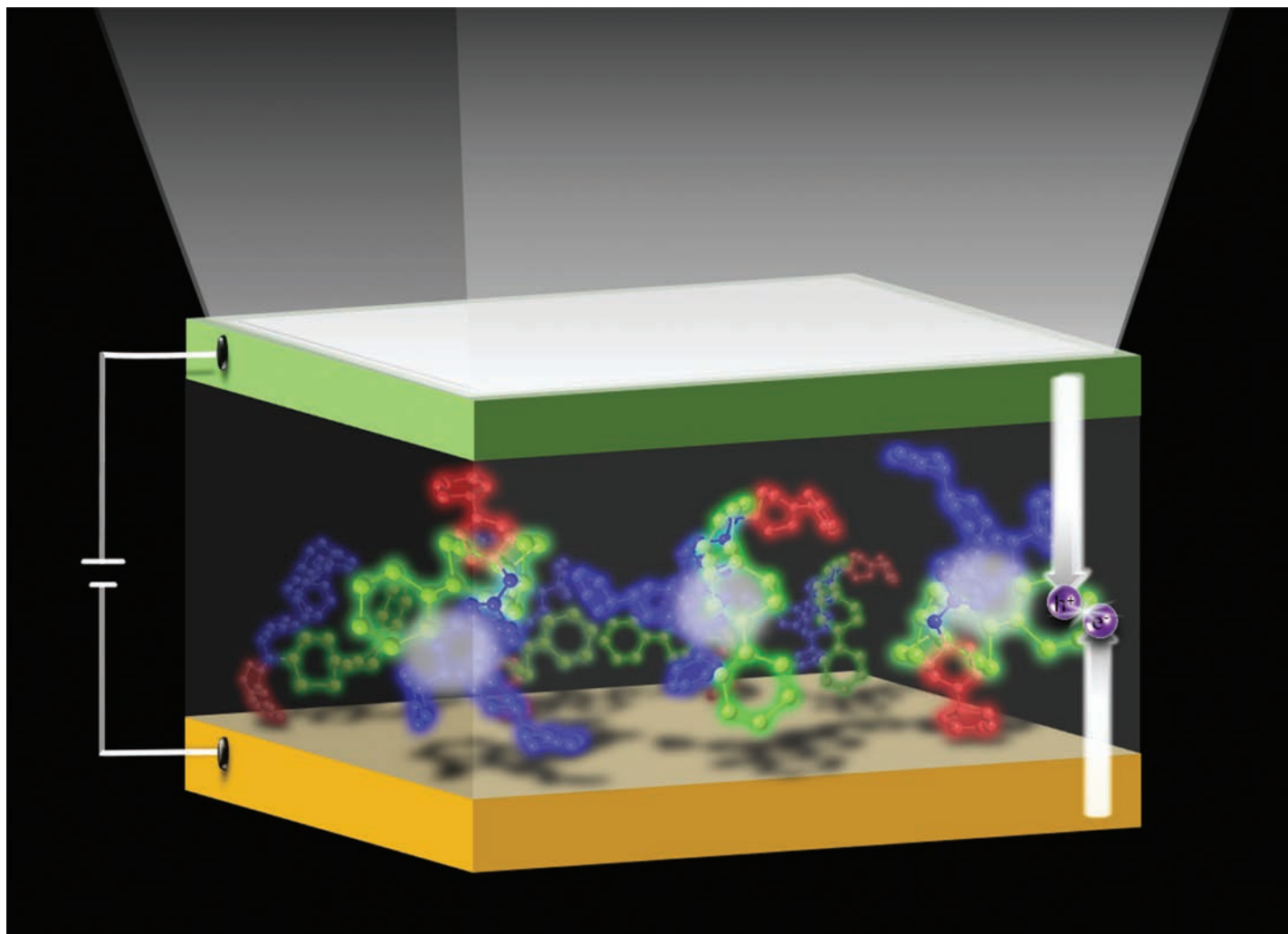
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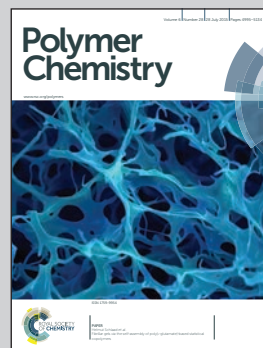


Showcasing research from Taek Seung Lee's Laboratory at
Department of Advanced Organic Materials and Textile System
Engineering, Chungnam National University, Daejeon, Korea.

Synthesis of conjugated, hyperbranched copolymers for tunable
multicolor emissions in light-emitting diodes

A series of conjugated hyperbranched copolymers (HBPs) based
on benzothiadiazole derivatives, which include white-light
emitting conjugated HBP, were explored. The intermolecular
exciton migration capacity of these synthesized conjugated HBPs
could be effectively controlled for realization of multispectral light
emission, due to their hyperbranched architecture. Polymer light-
emitting devices using conjugated HBPs were fabricated and was
observed almost pure white-light, Commission of International
de L'Eclairage coordinates of (0.32, 0.35).

As featured in:



See Taek Seung Lee *et al.*
Polym. Chem., 2015, **6**, 5062.



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