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Correction: Conducting polymers: a comprehensive review on recent advances in synthesis, properties and applications

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Correction for 'Conducting polymers: a comprehensive review on recent advances in synthesis, properties and applications' by Namsheer K *et al.*, *RSC Adv.*, 2021, 11, 5659–5697, <https://doi.org/10.1039/D0RA07800J>.

In the original manuscript, the authors regret errors in the schemes, charts and figures as detailed below.

In Chart 2, the structures of emeraldine and pernigraniline contain multiple carbons drawn incorrectly with 5 bonds, and the structure of pernigraniline is incorrectly labelled as being fully reduced rather than oxidised. The correct structures and labels are indicated herein.

In Scheme 8, the chlorine atoms are written as 'cl' rather than 'Cl'. A corrected Scheme 8 is shown herein.

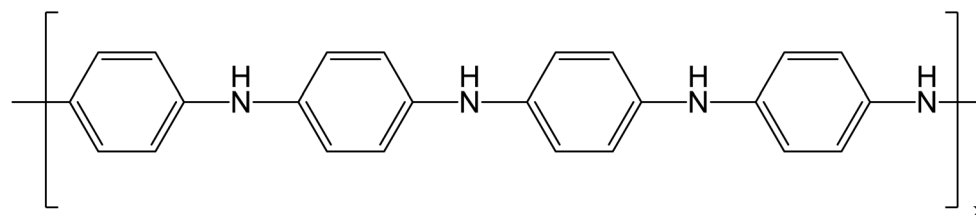
In Scheme 10, $P + Ph_3$ was drawn incorrectly, and should read as P^+Ph_3 .

Finally, Fig. 7 contained formatting errors. The correct version of Fig. 7 can be viewed herein.

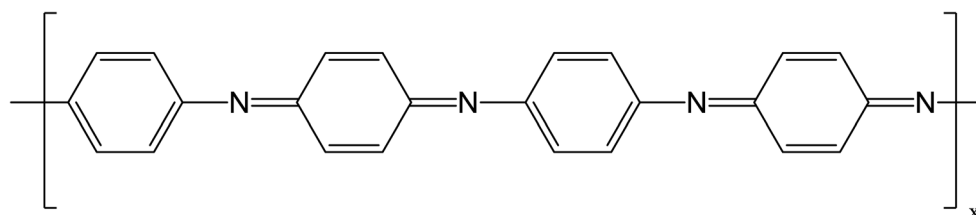
These revisions do not affect the conclusions of the article.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

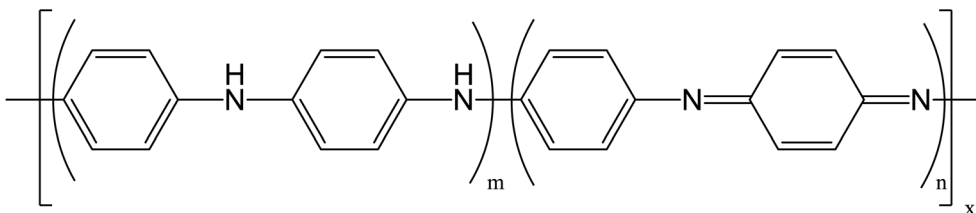




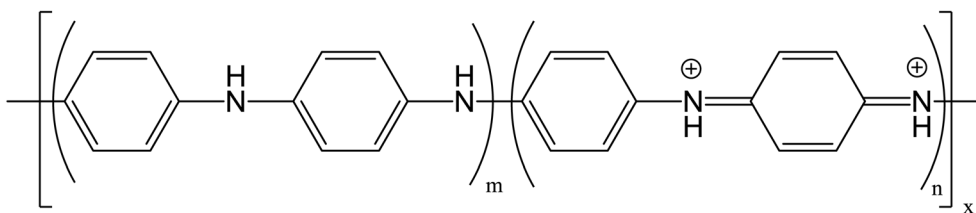
Leucoemeraldine base



Pernigraniline base



Emeraldine base



Emeraldine salt

Chart 2 Structural illustration of different forms of polyaniline.



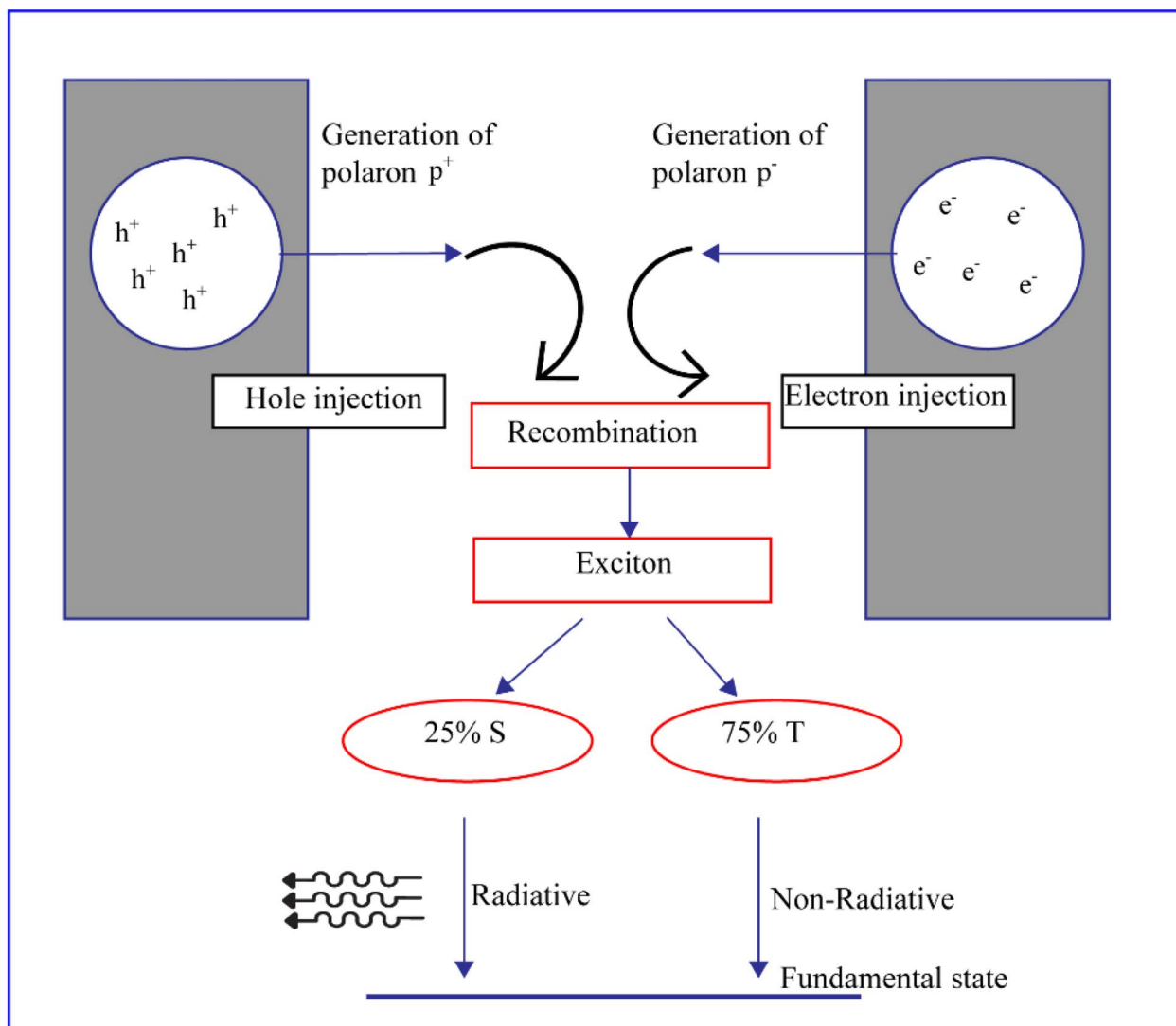
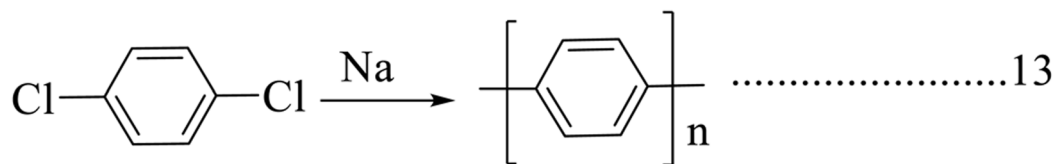
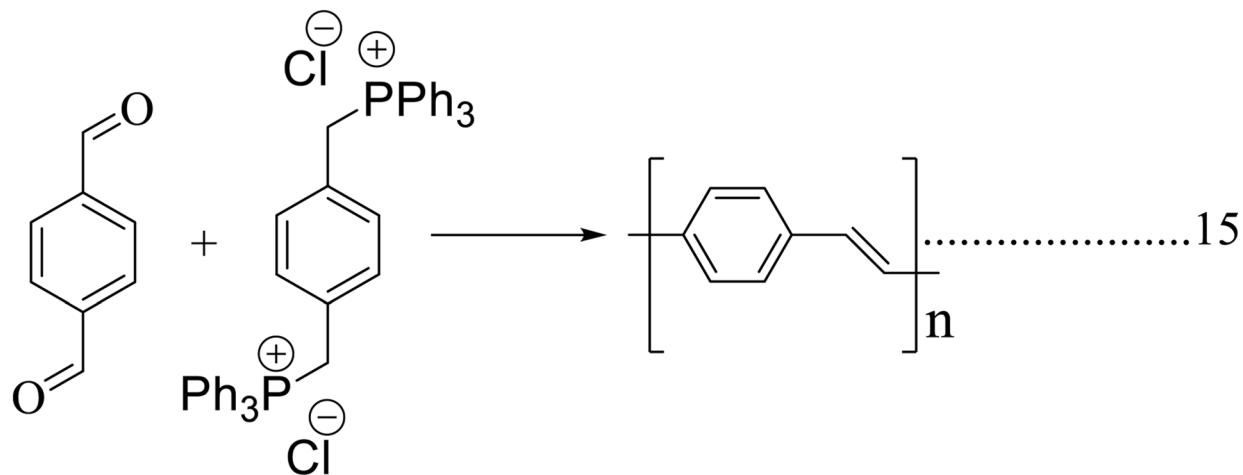


Fig. 7 Schematic illustration of electroluminescent mechanism of conducting polymer diodes.



Scheme 8 Synthesis of poly(*p*-phenylene)s using a Wurtz–Fittig reaction.



Scheme 10 Synthesis of poly(*p*-phenylene vinylene) by a Wittig coupling reaction.

