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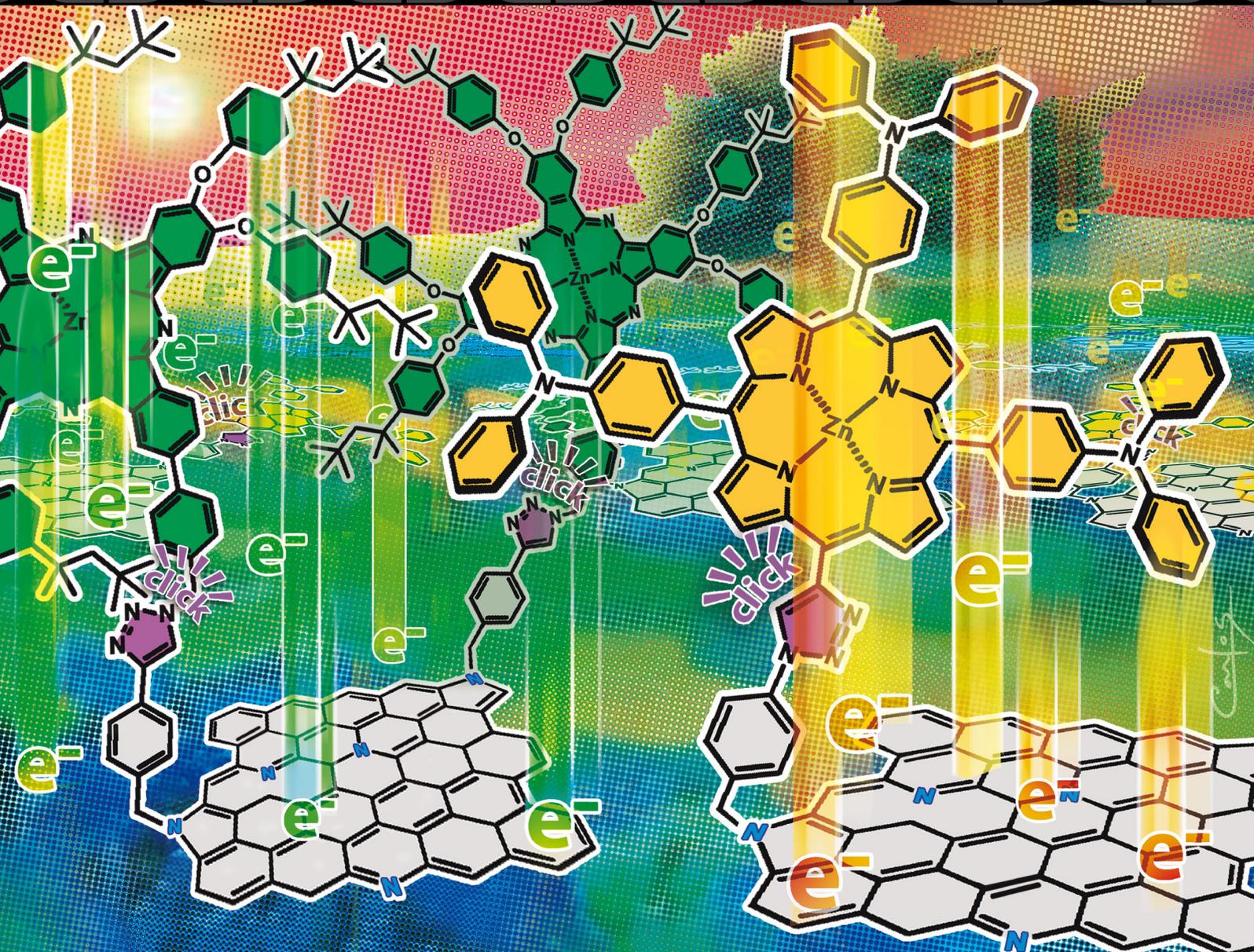
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Cover Feature:

Á. Sastre-Santos, F. D'Souza, F. Langa et al.

Formation and Photoinduced Electron Transfer in Porphyrin- and Phthalocyanine-Bearing N-Doped Graphene Hybrids Synthesized by Click Chemistry



COVER

Heteroatom-doped graphene is emerging as an outstanding material for tailoring the properties of graphene by chemical functionalization. With the use of classical click chemistry, N-doped graphene has been functionalized to carry well-known photosensitizer electron donors, viz., zinc porphyrin and zinc phthalocyanine. Efficient singlet quenching of photosensitizers was witnessed in these hybrids, and the ultrafast pump–probe technique provided evidence of excited-state charge separation in these hybrids, thus making them useful candidates for applications in harvesting light energy. More information can be found in the Research Article by Á. Sastre-Santos, F. D'Souza, F. Langa et al. (DOI: 10.1002/chem.202200254).



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