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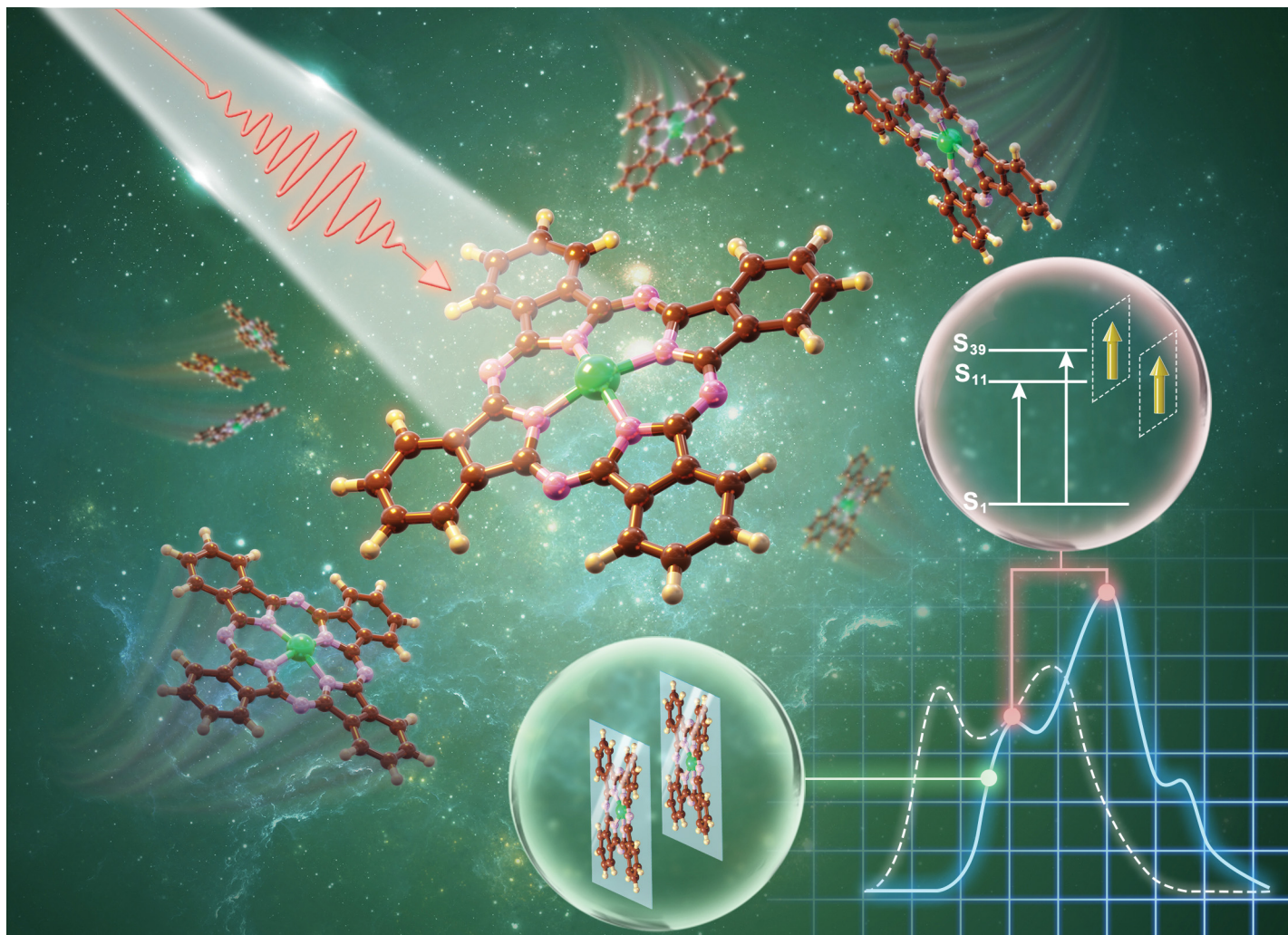


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**Showcasing research from the Group of Prof. Xiaowei Sheng
at Anhui Normal University, China**

Effects of aggregation on the structures and excited-state
absorption for zinc phthalocyanine

This article reveals that the aggregation of ZnPc causes its
ESA band to blue shift. By using the conventional description
of the interaction between monomer transition dipoles, this
blue shift is elucidated by the side-by-side transition dipole
moments in the constituted monomers. The present results
for the ESA combined with the results for GSA will provide
guidelines to tune the window of the optical-limiting effect
for the ZnPc based materials.

As featured in:



See Xiaowei Sheng *et al.*,
Phys. Chem. Chem. Phys.,
2023, **25**, 10278.