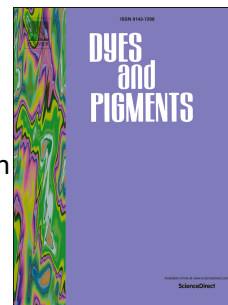


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Li Zhang,^a Lu-Yi Zou,^a Jing-Fu Guo,^b Ji-Kang Feng^a and Ai-Min Ren^{a*}

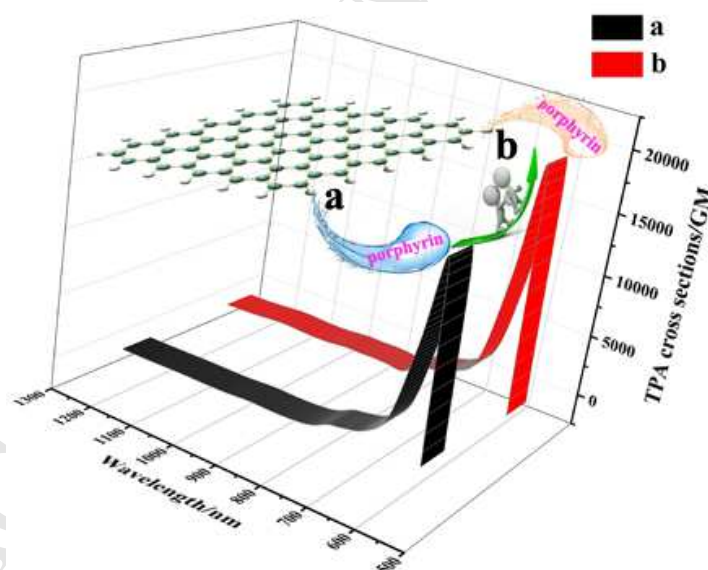
^aInstitute of Theoretical Chemistry, Jilin University, Changchun 130021, People's Republic of China

^bSchool of Physics, Northeast Normal University, 130024, People's Republic of China

*Corresponding author: Tel./fax: +86-431-88498961 (A. M. Ren)

E-mail addresses: aimin_ren@yahoo.com

Graphical Abstract



The two-photon absorption (TPA) properties of two series of porphyrin-graphene-like hybrids are systematically investigated, TPP-gra(n)-b ($n = 1 - 5$) hybrids exhibit higher TPA cross sections than TPP-gra(n)-a.

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