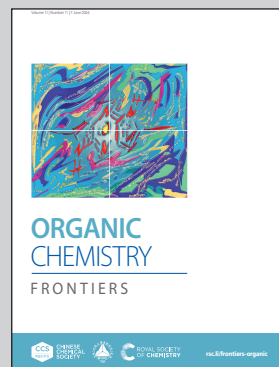


Showcasing research from Professor Enomoto's laboratory,  
Department of Chemistry, Faculty of Science Division 1,  
Tokyo University of Science, Tokyo, Japan.

Spiro-centre substitution effects in the intramolecular spin-spin interactions of spirobiacridine diradicals

Novel Si- and Ge-centred spirodiradicals exhibited the ground triplet state due to their cruciform structure. The Ge derivative showed stronger exchange coupling than the Si derivative, suggesting that the  $\sigma^*(\text{Si}-\text{C}_\alpha)-\pi^*$  hyperconjugation has a negative effect.

As featured in:



See Takuya Kanetomo,  
Masaya Enomoto *et al.*, *Org. Chem. Front.*, 2024, 11, 3004.

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