Novel π -Conjugated Molecules with Hetero Atoms: How to play with them?

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Based on new reaction development, we have created new hetero-atom containing paiconjugated compounds such as polyarenes and polyenes. Their preparation, structures, and photophysical properties will be presented. The speaker would appreciate any comments from the audience of their interest in the molecules to be presented.

References

1. N. Terada, K. Uematsu, R. Higuchi, Y. Tokimaru, Y. Sato, K. Nakano, K. Nozaki, *Chem. Eur. J.* 2021, 27, 9342–9349.

2. S. Lee, J. Kim, T. Tsuda, R. Takano, R. Shintani, K. Nozaki, Y. Majima, Appl. Phys. Express 2019, 12, 125007.

3. M. Akiyama, Y. Tsuchiya, A. Ishii, M. Hasegawa, Y. Kurashige, K. Nozaki, *Chem. Asian. J.* 2018, 13, 1902-1905.

4. Y. Tokimaru, S. Ito, K. Nozaki. Angew. Chem. Int. Ed. 2018, 57, 9818-9822

5. M. Akiyama, K. Nozaki, Angew. Chem. Int. Ed. 2017, 56, 2040-2044.