



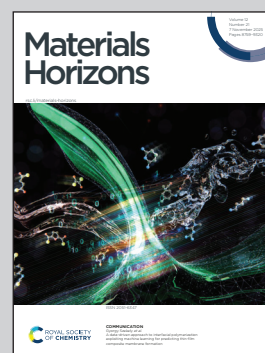
**Showcasing research from Professor Dawid Janas'
Functional Nanomaterials Group at Silesian University of
Technology, Poland.**

Programing optical properties of single-walled carbon nanotubes with benzoyl peroxide derivatives of tailored chemical characteristics

The application of custom-made benzoyl peroxide analogs opens new avenues for tuning the optical properties of single-walled carbon nanotubes. Covalent surface modification of SWCNTs with these reactants significantly enhances radiative recombination of excitons, boosting the potential of these nanomaterials for cutting-edge photonics applications.

Image reproduced by permission of Dawid Janas from *Mater. Horiz.*, 2025, **12**, 9040.

As featured in:



See Andrzej Dzieńia,
Dawid Janas *et al.*,
Mater. Horiz., 2025, **12**, 9040.