



Showcasing research from Professor Jiandong Yao and Guowei Yang's laboratory at Sun Yat-sen University, Guangzhou, China.

Quantum tailoring for polarization-discriminating Bi_2S_3 nanowire photodetectors and their multiplexing optical communication and imaging applications

This study develops a novel quantum tailoring strategy for tuning the polarization-resolved photosensitivity of (quasi-)1D material photodetectors whilst depicting potential applications (multiplexing optical communication and polarimetric optical imaging) for the next-generation opto-electronics industry.

As featured in:



See Zexiang Deng,
Jiandong Yao *et al.*,
Mater. Horiz., 2023, 10, 3369.