Showcasing research from the National Synchrotron Radiation Laboratory, University of Science and Technology of China, Hefei, China.

Title: Self-assembly of ultrathin Cu$_2$MoS$_4$ nanobelts for highly efficient visible light-driven degradation of methyl orange

An ultrathin self-assembled Cu$_2$MoS$_4$ nanobelt with numerous stacked layers was developed using Cu$_2$O as a starting sacrificial template via a hydrothermal route. Under visible-light irradiation, the nanobelts can quickly and completely degrade methyl orange dye with excellent recycling and structural stability. The correlation between the structure and photocatalytic properties was further investigated.

As featured in:

See Li Song et al. Nanoscale, 2015, 7, 17998.