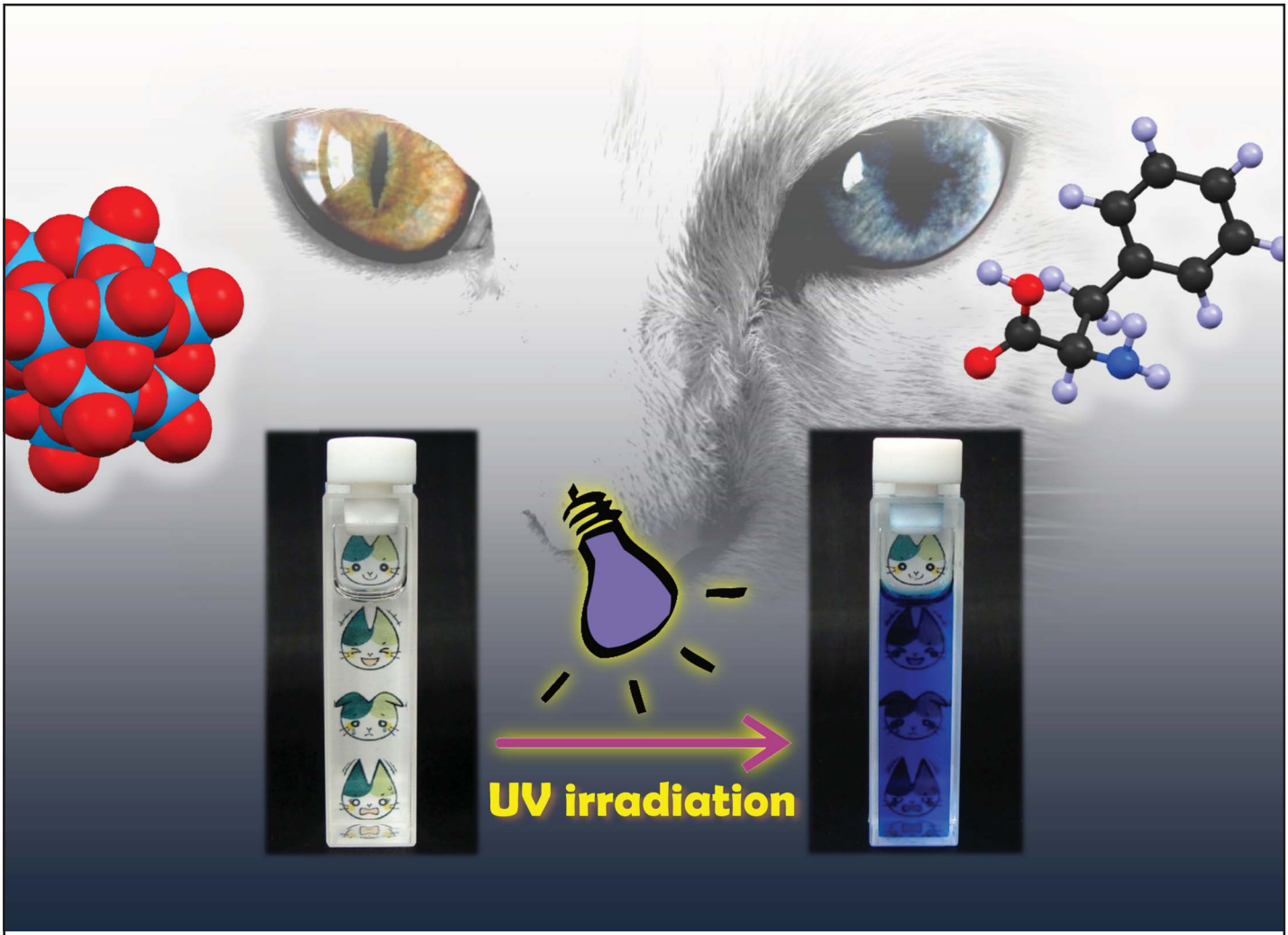
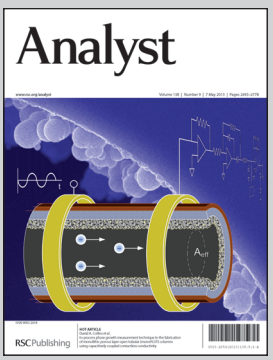


Showcasing research into surface-enhanced photochromism from the Functional Material Chemistry Laboratory of Professor Kenta Adachi at Yamaguchi University, Japan.

Title: Surface-enhanced photochromic phenomena of phenylalanine adsorbed on tungsten oxide nanoparticles: a novel approach for "label-free" colorimetric sensing

We report the surface-enhanced photochromic phenomena by L-phenylalanine adsorbed on tungsten(VI) oxide (WO_3) nanoparticles in the aqueous solution. The findings have important implications for the development of photochromic WO_3 nanoparticles as highly effective colorimetric sensor probes for amino acids and related compounds.

As featured in:



See Kenta Adachi *et al.*, *Analyst*, 2013, **138**, 2536–2539.

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