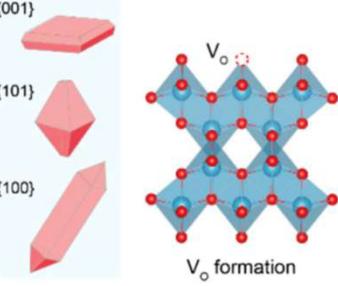
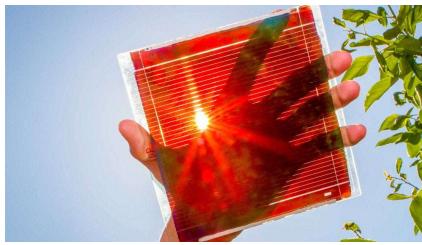
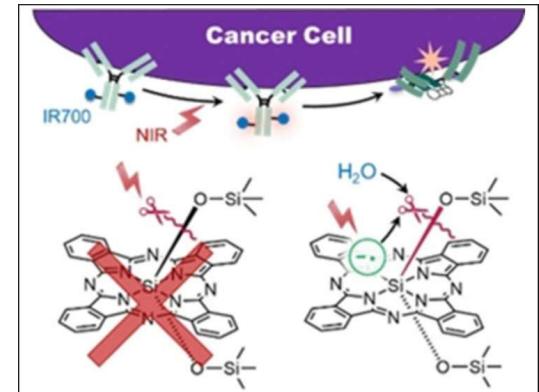
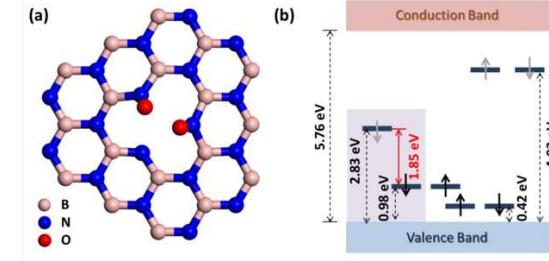
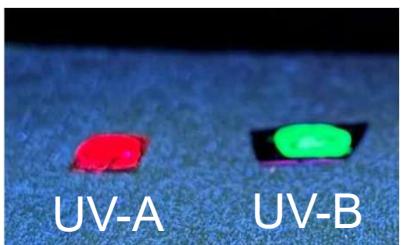
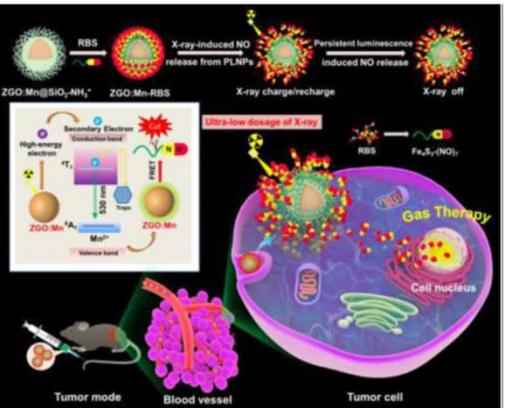
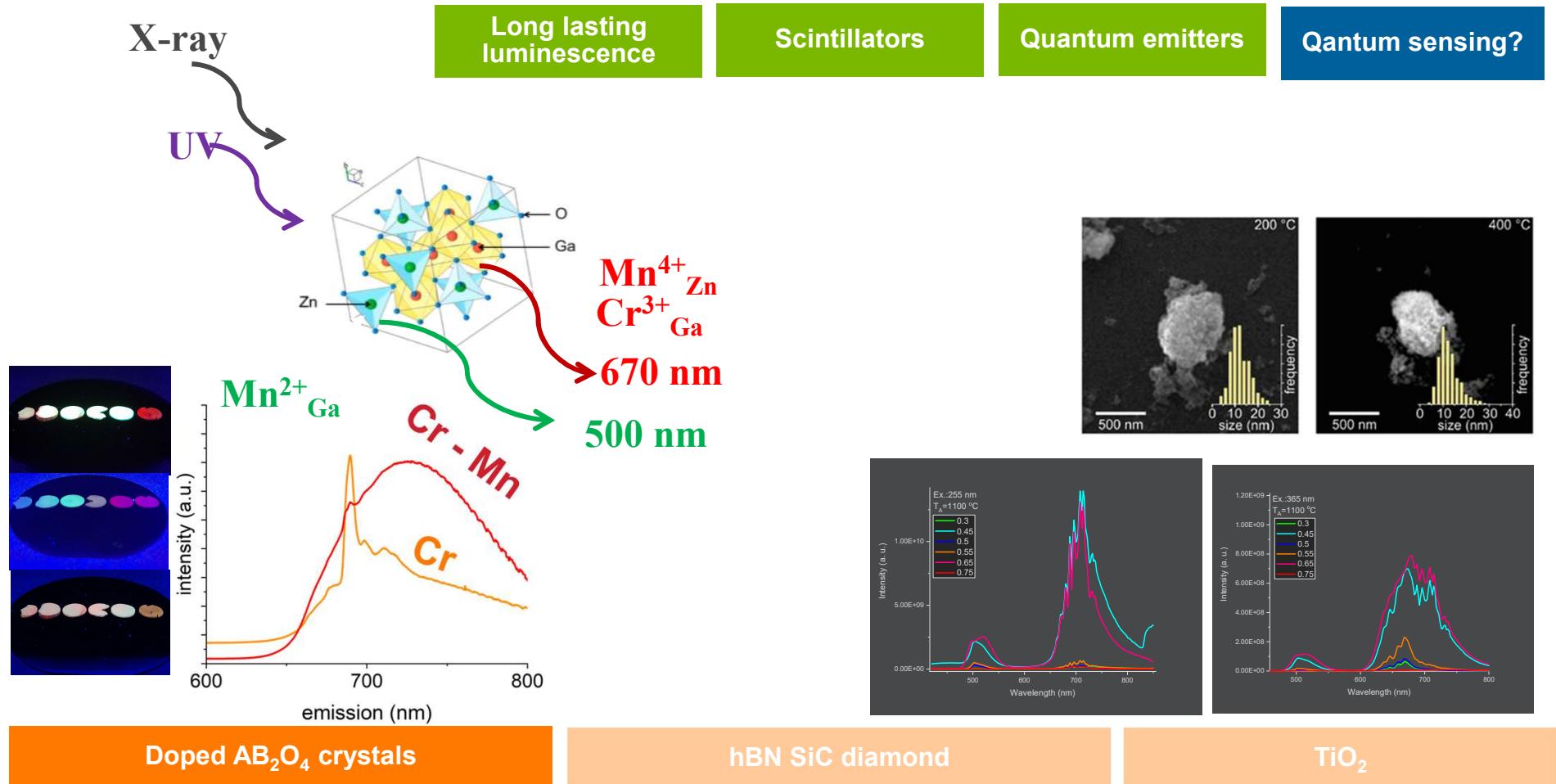


Beke Division - Optically Active Nanostructures (part of the Galli Group)

Materials Science	Properties of Materials	appliation	
 <p>MXenes</p>	 <p>MXenes</p>		
 <p>MXenes</p>			
<p>SiC / diamond</p>	<p>hBN</p>	<p>UV-A UV-B</p>	<p>Therapy / Sensing Military application</p>
<p>TiO₂</p>	<p>Doped AB₂O₄ crystals</p>		

Beke Division - Optically Active Nanostructures (part of the Galli Group)



How can you help – work with us

beke.David@wigner.hun-ren.hu

- **Optics & Photonics:** Work with ODMR, luminescence, integrating-sphere measurements, and supercontinuum lasers to study and control material properties.
- **Custom Optical Instrumentation:** Help design and build advanced optical setups for spectroscopy, quantum measurements, and materials analysis.
- **Scientific Programming:** Develop software for data acquisition, instrument control, and automated analysis to support our experiments.
- **Materials Science:** Investigate point defects, engineer new materials, and synthesize samples for optical and quantum applications.
- **Condensed Matter Physics:** Explore light–matter interaction, and study magnetic and optical properties relevant to quantum materials and functional devices.

