Supplementary Material

Towards blue long-lasting luminescence of Eu/Nd doped calciumaluminate nanostructured platelets via molten salt route

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Supplementary Information 1:

Figure S1 shows the PL emission spectrum of the particles synthesized in N_2 -H₂ atmosphere heated at 1000 (green-line with diamonds), 1200 (purple-line with circles), and 1400 °C (red-line with squares) compared with the commercial powder as received based on SrAl₂O₄:Eu, Dy material (SAO-Reference).

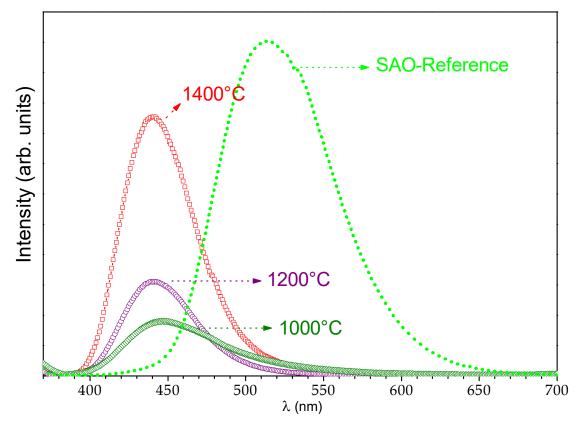


Figure S1 Photoluminescence spectra of the synthesized CAO: Eu, Nd phosphor heated at 1000 (green-line with diamonds), 1200 (purple-line with circles), and 1400 °C (red-line with squares) for 2 hours in 90N₂-10H₂, employing a salt/CAO molar ratio of 3:1 in comparison to a commercial powder (from Jinan Chenghao Technology Co., Ltd) as received.