Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.
This journal is © The Royal Society of Chemistry 2018

SUPPORTING INFORMATION

Luminescence lifetime thermometry with Mn^{3+}-Mn^{4+} co-doped nanocrystals

L. Marciniak[1*], K. Trejgis[1]

[1]Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Okólna 2, 50-422 Wroclaw, Poland

* corresponding author: *l.marciniak@int.pan.wroc.pl*

KEYWORDS GAG, GGG, LuAG, YAP, YAG, Mn^{3+}, Mn^{4+}, manganese, crystal field , luminescent thermometers

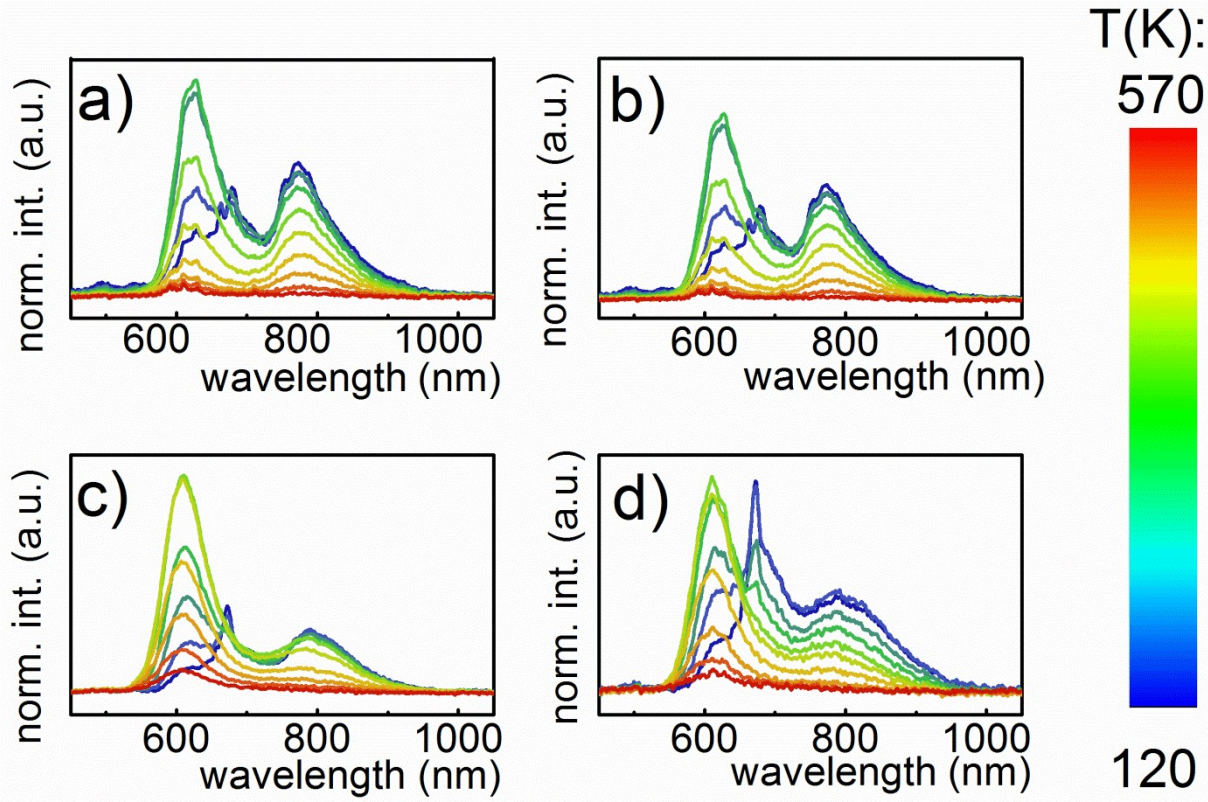

Figure S1. Thermal evolution of emission spectra of GAG –a), GGG - b), YAP – c) and YAG – d) nanocrystals co-doped with Mn^{3+}, Mn^{4+} ions