

Karolina Elzbieciak-Piecka

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Temperature sensitivity modulation through crystal field engineering in Ga ³⁺ co-doped Gd ₃ Al _{5-x} Ga _x O ₁₂ :Cr ³⁺ , Nd ³⁺ nanothermometers. <i>Sensors and Actuators B: Chemical</i> , 2018, 269, 96-102.	4.0	83
2	Transition Metal Ion-Based Nanocrystalline Luminescent Thermometry in SrTiO ₃ :Ni ²⁺ ,Er ³⁺ Nanocrystals Operating in the Second Optical Window of Biological Tissues. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18646-18653.	1.5	74
3	Luminescence thermometry with transition metal ions. A review. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214671.	9.5	69
4	Structurally induced tuning of the relative sensitivity of LaScO ₃ :Cr ³⁺ luminescent thermometers by co-doping lanthanide ions. <i>Chemical Engineering Journal</i> , 2021, 421, 129757.	6.6	53
5	Assessing thermometric performance of Sr ₂ CeO ₄ and Sr ₂ CeO ₄ :Ln ³⁺ (Ln ³⁺ =Sm ³⁺ , Ho ³⁺ , Nd ³⁺ , Yb ³⁺) nanocrystals in spectral and temporal domain. <i>Chemical Engineering Journal</i> , 2020, 388, 124347.	6.6	43
6	Enhancing the sensitivity of a Nd ³⁺ ,Yb ³⁺ :YVO ₄ nanocrystalline luminescent thermometer by host sensitization. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10532-10539.	1.3	37
7	Step by step designing of sensitive luminescent nanothermometers based on Cr ³⁺ ,Nd ³⁺ co-doped La _{3-x} Lu _x Al _{5-y} Ga _y O ₁₂ nanocrystals. <i>New Journal of Chemistry</i> , 2019, 43, 12614-12622.	1.4	24
8	Cr ³⁺ -based nanocrystalline luminescent thermometers operating in a temporal domain. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25949-25962.	1.3	23
9	A novel approach in light-to-heat conversion: Cr ³⁺ -based photothermal agent. <i>Materials Today Chemistry</i> , 2022, 26, 101039.	1.7	2