

# Wojciech M Piotrowski

## List of Publications by Year in descending order

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12  
papers

296  
citations

1051969

10  
h-index

1427216

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Referenced Temperature Imaging with Dual Light Emitting Diode Excitation and Single-Band Emission of $\text{AVO}_4\text{:Eu}^{3+}$ ( $A=\text{Y, La, Lu, Gd}$ ) Nanophosphors. <i>Advanced Photonics Research</i> , 2022, 3, 2100139.	1.7	17
2	Highly sensitive luminescence nanothermometry and thermal imaging facilitated by phase transition. <i>Chemical Engineering Journal</i> , 2022, 427, 131941.	6.6	25
3	Lanthanide dopant stabilized $\text{Ti}^{3+}$ state and supersensitive $\text{Ti}^{3+}$ -based multiparametric luminescent thermometer in $\text{SrTiO}_3\text{:Ln}^{3+}$ ( $\text{Ln}^{3+} = \text{Lu}^{3+}, \text{La}^{3+}, \text{Tb}^{3+}$ ) nanocrystals. <i>Chemical Engineering Journal</i> , 2022, 428, 131165.	6.6	21
4	Near-Infrared Luminescent Lifetime-Based Thermometry with $\text{Mn}^{5+}$ -Activated $\text{Sr}_3(\text{PO}_4)_2$ and $\text{Ba}_3(\text{PO}_4)_2$ Phosphors. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1057-1062.	2.0	22
5	Spectral and thermometric properties altering through crystal field strength modification and host material composition in luminescence thermometers based on $\text{Fe}^{3+}$ -doped $\text{AB}_2\text{O}_4$ -type nanocrystals ( $A = \text{Mg, Ca}$ ; $B = \text{Al, Ga}$ ). <i>Journal of Materials Chemistry C</i> , 2021, 9, 517-527.	2.7	32
6	All near-infrared multiparametric luminescence thermometry using $\text{Er}^{3+}$ , $\text{Yb}^{3+}$ -doped YAG nanoparticles. <i>RSC Advances</i> , 2021, 11, 15933-15942.	1.7	11
7	Strong sensitivity enhancement in lifetime-based luminescence thermometry by co-doping of $\text{SrTiO}_3\text{:Mn}^{4+}$ nanocrystals with trivalent lanthanide ions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10309-10316.	2.7	14
8	Enhancement of the $\text{Ln}^{3+}$ ratiometric nanothermometers by sensitization with transition metal ions. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159386.	2.8	13
9	The role of $\text{Cr}^{3+}$ and $\text{Cr}^{4+}$ in emission brightness enhancement and sensitivity improvement of NIR-emitting $\text{Nd}^{3+}/\text{Er}^{3+}$ ratiometric luminescent thermometers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12671-12680.	2.7	17
10	Thermochromic Luminescent Nanomaterials Based on $\text{Mn}^{4+}/\text{Tb}^{3+}$ Codoping for Temperature Imaging with Digital Cameras. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44039-44048.	4.0	90
11	Thermocapillary Marangoni Flows in Azopolymers. <i>Materials</i> , 2020, 13, 2464.	1.3	10
12	From quencher to potent activator – Multimodal luminescence thermometry with $\text{Fe}^{3+}$ in the oxides $\text{MA}_4\text{O}_7$ ( $M = \text{Ca, Sr, Ba}$ ). <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	24