

Otmar M Ten Kate

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effects of Surface Modification on Optical Properties and Thermal Stability of $K_2SiF_6:Mn^{4+}$ Red Phosphors by Deposition of an Ultrathin Al_2O_3 Layer Using Gas-Phase Deposition in a Fluidized Bed Reactor. ECS Journal of Solid State Science and Technology, 2019, 8, R88-R96.	0.9	27
2	Influence of composition and structure on the thermal quenching of the 5d \rightarrow 4f emission of Eu^{2+} doped $M-Si-N$ (M = alkali, alkaline earth, rare earth) nitridosilicates. Journal of Materials Chemistry C, 2019, 7, 6289-6300.	2.7	21
3	Enhanced thermal degradation stability of the $Sr_2Si_5N_8:Eu^{2+}$ phosphor by ultra-thin Al_2O_3 coating through the atomic layer deposition technique in a fluidized bed reactor. Journal of Materials Chemistry C, 2019, 7, 5772-5781.	2.7	26
4	Dependence of the photoluminescence properties of Eu^{2+} doped $M-Si-N$ (M = alkali,) Tj ETQq0 0 0 rgBT /Overlock 10 Materials Chemistry C, 2018, 6, 5671-5683.	2.7	27
5	On the relations between the bandgap, structure and composition of the $M-Si-N$ (M = alkali, alkaline) Tj ETQq1,1 0.784314 rgBT	2.7	15
6	Performance improvement by alumina coatings on $Y_3Al_5O_{12}:Ce^{3+}$ phosphor powder deposited using atomic layer deposition in a fluidized bed reactor. RSC Advances, 2016, 6, 76454-76462.	1.7	27
7	Low energy 4f-5d transitions in lanthanide doped $CaLaSiN_3$ with low degree of cross-linking between SiN_4 tetrahedra. Journal of Physics Condensed Matter, 2014, 26, 385502.	0.7	0
8	Quantum tripling in Tm^{3+} doped La_2BaZnO_5 phosphors for efficiency enhancement of small band gap solar cells. Journal of Luminescence, 2014, 156, 262-265.	1.5	5
9	Optical properties of Eu^{2+}/Eu^{3+} mixed valence, silicon nitride based materials. Journal of Solid State Chemistry, 2014, 213, 126-131.	1.4	9
10	Efficiency enhancement calculations of state-of-the-art solar cells by luminescent layers with spectral shifting, quantum cutting, and quantum tripling function. Journal of Applied Physics, 2013, 114, .	1.1	47
11	Yb^{3+} doped $LaSi_3N_5$ and YSi_3N_5 with low energy charge transfer for near-infrared light-emitting diode and solar cell application. Journal of Materials Chemistry, 2011, 21, 18289.	6.7	38