

Otmar M Ten Kate

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

242
citations

1039406

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1372195

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docs citations

11
times ranked

325
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Yb ³⁺ doped LaSi ₃ N ₅ and YSi ₃ N 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
3	Performance improvement by alumina coatings on Y ₃ Al ₅ O ₁₂ :Ce ³⁺ phosphor powder deposited using atomic layer deposition in a fluidized bed reactor. RSC Advances, 2016, 6, 76454-76462.	1.7	27
4	Dependence of the photoluminescence properties of Eu ²⁺ doped M ⁺ Si ⁺ N (M = alkali,) Tj ETQq0 0 0 rgBT /Overlock Materials Chemistry C, 2018, 6, 5671-5683.	2.7	27
5	Effects of Surface Modification on Optical Properties and Thermal Stability of K ₂ SiF ₆ :Mn ⁴⁺ Red Phosphors by Deposition of an Ultrathin Al ₂ O 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
6	Enhanced thermal degradation stability of the Sr ₂ Si ₅ N ₈ :Eu ²⁺ phosphor by ultra-thin Al ₂ O 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
7	Influence of composition and structure on the thermal quenching of the 5d ⁺ 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
8	On the relations between the bandgap, structure and composition of the M ⁺ Si ⁺ N (M = alkali, alkaline) Tj ETQq0 0 0 rgBT /Overlock	2.7	15
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	Quantum tripling in Tm ³⁺ doped La ₂ BaZnO ₅ phosphors for efficiency enhancement of small band gap solar cells. Journal of Luminescence, 2014, 156, 262-265.	1.5	5
11	Low energy 4f-5d transitions in lanthanide doped CaLaSi ₃ with low degree of cross-linking between SiN ₄ tetrahedra. Journal of Physics Condensed Matter, 2014, 26, 385502.	0.7	0