

Jörg Zimmermann

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

317
citations

840776

11
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

379
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of the luminescence properties of macro- and nanocrystalline MgO using synchrotron radiation. Nuclear Instruments & Methods in Physics Research B, 2013, 310, 23-26.	1.4	45
2	CsEuBr ₃ : Crystal structure and its role in the photostimulation of CsBr:Eu ²⁺ . Journal of Applied Physics, 2006, 100, 083506.	2.5	37
3	Radiation hardness of CsBr:Eu ²⁺ . Journal of Luminescence, 2005, 114, 24-30.	3.1	28
4	Optical properties of single crystalline SrMoO ₃ thin films. Journal of Applied Physics, 2016, 119, .	2.5	24
5	The role of segregations and oxygen doping in the photostimulation mechanism of. Radiation Measurements, 2007, 42, 638-643.	1.4	18
6	Sensitization of the photostimulable x-ray storage-phosphor CsBr:Eu ²⁺ following room-temperature hydration. Journal of Applied Physics, 2009, 105, 073511.	2.5	15
7	Preparation-induced F-centre transformation in BaFBr:Eu ²⁺ . Journal Physics D: Applied Physics, 2004, 37, 2352-2357.	2.8	14
8	Hafnium oxide thin films: Effect of growth parameters on oxygen and hafnium vacancies. Journal of Vacuum Science & Technology B, 2009, 27, 325.	1.3	14
9	Synthesis and functionality of the storage phosphor BaFBr:Eu ²⁺ . Journal of Applied Physics, 2009, 105, 063505.	2.5	14
10	Efficient Process for Li-Ion Battery Recycling via Electrohydraulic Fragmentation. Materials Science Forum, 0, 959, 74-78.	0.3	13
11	Influence of Li-codoping on the radiation hardness of CsBr:Eu ²⁺ . Journal of Applied Physics, 2007, 101, 113711.	2.5	11
12	Eu ²⁺ -doped CsBr photostimulable X-ray storage phosphors: analysis of defect structure by high-frequency EPR. Functional Materials Letters, 2014, 07, 1350073.	1.2	11
13	New synthesis of high-quality storage phosphors. Radiation Measurements, 2010, 45, 478-484.	1.4	10
14	Lanthanum-stabilized europium-doped cubic barium chloride: An efficient x-ray phosphor. Journal of Applied Physics, 2010, 107, .	2.5	10
15	Photoluminescence and photostimulated luminescence of oxygen impurities in CsBr. Journal of Applied Physics, 2011, 109, 013507.	2.5	10
16	Photostimulated luminescence properties of neutron image plates. Optical Materials, 2016, 59, 83-86.	3.6	10
17	Influence of oxygen doping and hydration on photostimulated luminescence of CsBr and CsBr:Eu ²⁺ . Journal of Applied Physics, 2011, 109, .	2.5	9
18	Recyclable Phosphor Films: Three Water-Soluble Binder Systems Enabling the Recovery of Phosphor Powders in White LEDs. Journal of Electronic Materials, 2019, 48, 2294-2300.	2.2	7

#	ARTICLE	IF	CITATIONS
19	Structures of CsEuBr ₃ and its degradation product Cs ₂ EuBr ₅ ·10H ₂ O. Acta Crystallographica Section B: Structural Science, 2007, 63, 201-204.	1.8	6
20	High-temperature scintillation of alumina under 32 MeV ⁶³ Cu ⁵⁺ heavy-ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2015, 359, 161-166.	1.4	4
21	Recyclable phosphor sheet based on polyvinyl alcohol for LED lighting using remote phosphor technology. Materials Technology, 2019, 34, 178-183.	3.0	3
22	Preparation and optimization of ceramic neutron image plates based on BaFBr:Eu ²⁺ and GdF ₃ . Journal Physics D: Applied Physics, 2005, 38, 3501-3506.	2.8	2
23	Recycling of Florescent Phosphor Powder Y ₂ O ₃ :Eu by Leaching Experiments. Solid State Phenomena, 0, 262, 596-600.	0.3	0