

Laima Trinkler

List of Publications by Year in descending order

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32
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docs citations

32
times ranked

654
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence properties of wurtzite AlN nanotips. Applied Physics Letters, 2006, 89, 163127.	3.3	45
2	Investigation of Oxygen-Related Luminescence Centres in AlN Ceramics. Physica Status Solidi (B): Basic Research, 2000, 219, 171-180.	1.5	40
3	UV-light induced luminescence processes in Al ₂ O ₃ bulk and nanosize powders. Optical Materials, 2010, 32, 789-795.	3.6	37
4	Quantitative optical analysis of filler dispersion degree in MWCNT-epoxy nanocomposite. Composites Science and Technology, 2012, 72, 477-481.	7.8	34
5	Photo- and thermo-stimulated luminescence of CsI-Tl crystal after UV light irradiation at 80 K. Radiation Effects and Defects in Solids, 1998, 143, 345-355.	1.2	32
6	Luminescence mechanisms of oxygen-related defects in AlN. Radiation Effects and Defects in Solids, 2002, 157, 1089-1092.	1.2	30
7	Photoluminescence of Al ₂ O ₃ nanopowders of different phases. Optical Materials, 2012, 34, 1553-1557.	3.6	29
8	Thermoluminescence properties of AlN ceramics. Radiation Measurements, 1998, 29, 341-348.	1.4	28
9	Ab initio simulations on the atomic and electronic structure of single-walled BN nanotubes and nanoarches. Journal of Physics and Chemistry of Solids, 2009, 70, 796-803.	4.0	27
10	Exciton luminescence of boron nitride nanotubes and nano-arches. Physica Status Solidi (B): Basic Research, 2006, 243, 3840-3845.	1.5	26
11	Atomic and electronic structure of single-walled BN nanotubes containing N vacancies as well as C and O substitutes of N atoms. European Physical Journal B, 2009, 67, 519-525.	1.5	23
12	Defect-induced blue luminescence of hexagonal boron nitride. Diamond and Related Materials, 2016, 68, 131-137.	3.9	22
13	Thermally and Optically Stimulated Luminescence of AlN-Y ₂ O ₃ Ceramics after Ionising Irradiation. Radiation Protection Dosimetry, 1999, 84, 207-210.	0.8	21
14	Studies of Aluminium Nitride Ceramics for Application in UV Dosimetry. Radiation Protection Dosimetry, 2000, 92, 299-306.	0.8	20
15	Stimulated luminescence of AlN ceramics induced by ultraviolet radiation. Radiation Measurements, 2001, 33, 731-735.	1.4	19
16	Peculiarities of photoluminescence of Al ₂ O ₃ bulk and nanosize powders at low temperatures. Optical Materials, 2011, 33, 817-822.	3.6	19
17	Localised transitions in luminescence of AlN ceramics. Radiation Measurements, 2014, 71, 232-236.	1.4	17
18	Radiation induced recombination processes in AlN ceramics. Journal of Physics Condensed Matter, 2001, 13, 8931-8938.	1.8	16

#	ARTICLE	IF	CITATIONS
19	Aluminium Nitride Ceramics: A Potential UV Dosemeter Material. Radiation Protection Dosimetry, 2002, 100, 313-316.	0.8	15
20	Stimulation Energy of the X-ray Storage Material KBr: In. Physica Status Solidi (B): Basic Research, 1993, 180, K31.	1.5	14
21	The optical properties of the Nd ³⁺ -ion in NdGaO ₃ and LaGaO ₃ :Nd: temperature and concentration dependence. Journal of Physics Condensed Matter, 1995, 7, 9657-9673.	1.8	14
22	Recombination luminescence in aluminum nitride ceramics. Physica Status Solidi (B): Basic Research, 2014, 251, 542-548.	1.5	14
23	Studies of radiation defects in cerium, europium and terbium activated oxyfluoride glasses and glass ceramics. Optical Materials, 2015, 41, 90-93.	3.6	10
24	Oxygen-related defects and energy accumulation in aluminum nitride ceramics. Radiation Effects and Defects in Solids, 2001, 156, 241-247.	1.2	9
25	Influence of boron on donor-acceptor pair recombination in type IIa HPHT diamonds. Diamond and Related Materials, 2013, 36, 35-43.	3.9	9
26	Influence of vinyltriethoxysilane concentration on structural and luminescent characteristics of cerium doped yttrium based silicate phosphors. Ceramics International, 2015, 41, 13179-13188.	4.8	9
27	Formation of nanostructure on surface of SiC by laser radiation. Physica Status Solidi A, 2003, 195, 199-203.	1.7	4
28	Optical bleaching, TSL and OSL features of CVD diamond. Radiation Protection Dosimetry, 2006, 119, 390-393.	0.8	4
29	Luminescence processes induced by UV radiation in AlN nanotips and nanorods. Radiation Measurements, 2008, 43, 231-235.	1.4	4
30	Luminescence of thulium-activated cubic boron nitride. Journal of Applied Spectroscopy, 2008, 75, 567-575.	0.7	2
31	Low temperature photostimulated luminescence of KBr-In crystal after UV irradiation. Radiation Effects and Defects in Solids, 1995, 136, 249-252.	1.2	0
32	Magnetic resonance investigations of oxygen-related luminescence centres in AlN ceramics. Radiation Effects and Defects in Solids, 2001, 156, 235-239.	1.2	0