

Elena I Gorokhova

List of Publications by Year in descending order

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docs citations

27
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	Scintillation properties of ceramics based on zinc oxide. Radiation Measurements, 2007, 42, 549-552.	1.4	48
2	Novel Scintillation Material – ZnO Transparent Ceramics. IEEE Transactions on Nuclear Science, 2012, 59, 2152-2155.	2.0	32
3	Oxysulfide optical ceramics doped by Nd ³⁺ for one micron lasing. Journal of Luminescence, 2007, 125, 201-215.	3.1	25
4	Luminescence and scintillation properties of Gd ₂ O ₃ :Tb,Ce ceramics. IEEE Transactions on Nuclear Science, 2005, 52, 3129-3132.	2.0	24
5	Luminescence properties of ceramics based on terbium-doped gadolinium oxysulfide. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2003, 70, 693.	0.4	23
6	Structural, optical, and scintillation characteristics of ZnO ceramics. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2011, 78, 753.	0.4	22
7	Effect of point defects on luminescence characteristics of ZnO ceramics. Physics of the Solid State, 2016, 58, 2055-2061.	0.6	12
8	Ultraviolet Luminescence of ZnO Whiskers, Nanowalls, Multipods, and Ceramics as Potential Materials for Fast Scintillators. Materials, 2021, 14, 2001.	2.9	12
9	Spectrokinetic characteristics of the emission of Gd ₂ O ₃ :Tb(Ce) ceramics. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2005, 72, 53.	0.4	10
10	Scintillating Ceramics Based on Zinc Oxide. IOP Conference Series: Materials Science and Engineering, 2012, 38, 012002.	0.6	10
11	Transparent materials based on semiconducting ZnO: glass-ceramics and optical ceramics doped with rare-earth and transition-metal ions. Journal of Non-Crystalline Solids, 2022, 588, 121625.	3.1	10
12	Emission and excitation spectra of ZnO:Ga and ZnO:Ga,N ceramics. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.6	7
13	Scintillation optical ceramics based on Gd ₂ O ₃ doped with Pr, Tb, or Eu. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2012, 79, 41.	0.4	7
14	Spectrokinetic characteristics of Gd ₂ O ₃ :Pr, Ce ceramics. Journal of Optical Technology (A) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.4	6
15	Development and study of ZnO:In optical scintillation ceramic. Journal of Optical Technology (A) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.4	6
16	Solid-phase recrystallization of ZnS ceramics in phase transition region. Journal of Crystal Growth, 2000, 214-215, 894-898.	1.5	5
17	ZnO – Yb ₂ O ₃ composite optical ceramics: Synthesis, structure and spectral-luminescent properties. Journal of the European Ceramic Society, 2022, 42, 616-630.	5.7	5
18	High temperature electrical conductivity in ZnSe:In and in CdSe:In under selenium vapor pressure. Physica Status Solidi (B): Basic Research, 2007, 244, 1623-1626.	1.5	4

#	ARTICLE	IF	CITATIONS
19	High temperature antistructure disorder in undoped ZnS. <i>Physica B: Condensed Matter</i> , 2009, 404, 5006-5008.	2.7	4
20	Integral, absolute, and relative light yield of ZnO-based ceramics. <i>Technical Physics Letters</i> , 2010, 36, 714-716.	0.7	4
21	Synthesis of ZnO:Ga nanosized powders by the combustion method. <i>Russian Journal of Applied Chemistry</i> , 2013, 86, 278-281.	0.5	2
22	Structure, nanohardness and photoluminescence of ZnO ceramics based on nanopowders. <i>Physica Scripta</i> , 2015, 90, 094018.	2.5	2
23	The effect of annealing on spectra and decay time of X-ray luminescence of zinc oxide powders. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013, 49, 012028.	0.6	1
24	High temperature electrical conductivity in undoped ceramic ZnO. <i>Crystal Research and Technology</i> , 2015, 50, 10-14.	1.3	1
25	The effect of electron recombination processes on the luminescence kinetics of ZnO ceramics. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2015, 118, 425-430.	0.6	1
26	High temperature defect equilibrium in ZnS:Cu single crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 1662-1665.	1.5	0
27	High temperature electrical conductivity in hydrothermally grown ZnO. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 1481-1484.	0.8	0