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List of Publications by Year
in descending order

Version: 2024-02-01

32 papers	350 citations	933447 10 h-index	839539 18 g-index
32 all docs	32 docs citations	32 times ranked	239 citing authors

#	Article	IF	Citations
1	Nonlinear quenching of densely excited states in wide-gap solids. Physical Review B, 2013, 87, .	3.2	48
2	Electron thermalization and trapping rates in pure and doped alkali and alkaline-earth iodide crystals studied by picosecond optical absorption. Physical Review B, 2014, 89, .	3.2	34
3	Concentration dependence of the light yield and energy resolution of NaI:Tl and CsI:Tl crystals excited by gamma, soft X-rays and alpha particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 474-481.	1.6	27
4	Time-resolved optical spectroscopy of CsI(Tl) crystals by pulsed electron beam irradiation. Journal of Luminescence, 2009, 129, 790-796.	3.1	27
5	Picosecond Studies of Transient Absorption Induced by BandGap Excitation of CsI and CsI:Tl at Room Temperature. IEEE Transactions on Nuclear Science, 2010, 57, 1187-1192.	2.0	26
6	Factors which define the Î±/Î³ ratio in CsI:Tl crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 105-112.	1.6	22
7	Role of sodium in radiation defect formation in CsI crystals. Radiation Measurements, 2001, 33, 687-692.	1.4	20
8	Radiation defects creation in CsI(Tl) crystals and their luminescence properties. Journal of Luminescence, 2003, 102-103, 543-550.	3.1	18
9	Radiation transformation of the oxygenâ€¢containing impurity in LiF crystals doped with different polyvalent cations. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 263-267.	0.8	18
10	Short-living absorption and emission of CsI(Na). Journal of Luminescence, 2011, 131, 2579-2581.	3.1	12
11	Color centers in heavily irradiated CsI(Tl) crystals. Journal of Luminescence, 2008, 128, 1447-1453.	3.1	11
12	Photo- and Radiation-Stimulated Processes in CsI(Tl) Crystals. IEEE Transactions on Nuclear Science, 2008, 55, 1263-1269.	2.0	9
13	Functional possibilities of organosilicon coatings on the surface of CsI-based scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 40-47.	1.6	8
14	The reasons the scintillation efficiency decrease of CsI(Tl) crystals exposed by the high-dosed radiation. Radiation Measurements, 2007, 42, 839-842.	1.4	8
15	Recombination luminescence of CsI(Tl) under electron pulse irradiation. Radiation Measurements, 2010, 45, 328-330.	1.4	7
16	Charge transfer processes in CsI:Tl using near-UV light. Journal of Luminescence, 2014, 155, 79-83.	3.1	7
17	Scintillation and mechanical properties of CsI(Tl,Br) crystals pulled from melt. Journal of Crystal Growth, 2001, 222, 751-754.	1.5	6
18	Luminescence of Eu2+â€“vcâ^' dipoles and their associates in CsI:Eu crystals. Journal of Luminescence, 2012, 132, 2476-2478.	3.1	6

#	Article	IF	Citations
19	Preparation and scintillation properties of YCl3:Ce crystals. Inorganic Materials, 2009, 45, 946-948.	0.8	4
20	Energy transfer mechanism in CsI:Eu crystal. Journal of Luminescence, 2014, 148, 274-276.	3.1	4
21	Spectral and kinetic characteristics of the luminescence center in LiF-WO₃and ZnWO₄crystals. IOP Conference Series: Materials Science and Engineering, 2015, 81, 012024.	0.6	4
22	New scintillation materialâ€"CsI(CO3). Nuclear Tracks and Radiation Measurements (1993), 1993, 21, 109-110.	0.1	3
23	Transformation of defects arising in CsI(Tl) crystals under daylight. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 101-104.	0.8	3
24	The inertia properties of scintillation crystals. Radiation Measurements, 2007, 42, 572-575.	1.4	3
25	Synthesis and properties of nanocrystalline CsI. Inorganic Materials, 2011, 47, 1033-1038.	0.8	3
26	Resonant interaction of defects in irradiated CsI(Tl) crystals. Optical Materials, 2008, 30, 711-713.	3.6	2
27	Spectral-kinetics properties of activator emission centers in CsI:Eu. Journal of Luminescence, 2013, 144, 146-148.	3.1	2
28	Luminescence response of CsI:Na to electron pulse irradiation. Radiation Measurements, 2013, 51-52, 13-17.	1.4	2
29	Time-resolved spectroscopy of CsI(CO3) scintillator. Journal of Luminescence, 2016, 173, 34-37.	3.1	2
30	Photo- and Radiation-Chemical Transformations of Carbonate Ions in CsI and CsI(Tl) Crystals. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 89, 50.	0.6	2
31	Radiation-Induced Processes in Oxygen-Containing LiF Crystals with Nanodimensional Impurity Complexes. Russian Physics Journal, 2014, 57, 237-244.	0.4	1
32	Scintillation Characteristics of Lithium Fluoride Crystals Doped with Tungsten Oxide. Russian Physics Journal, 2015, 58, 389-393.	0.4	1