

Anna Kilian

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

484
citations

759233

12
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	Aluminum and Gallium Substitution in Yttrium and Lutetium Aluminum-Gallium Garnets: Investigation by Single-Crystal NMR and TSL Methods. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24400-24408.	3.1	51
2	DOSIS & DOSIS 3D: long-term dose monitoring onboard the Columbus Laboratory of the International Space Station (ISS). <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A39.	3.3	49
3	High-performance Ce-doped multicomponent garnet single crystalline film scintillators. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 489-493.	2.4	41
4	Peculiarities of luminescent and scintillation properties of YAG:Ce phosphor prepared in different crystalline forms. <i>Optical Materials</i> , 2012, 34, 1314-1319.	3.6	35
5	Growth and luminescent properties of scintillators based on the single crystalline films of $\text{Lu}_{3-x}\text{Gd}_x\text{Al}_5\text{O}_{12}:\text{Ce}$ garnet. <i>Materials Research Bulletin</i> , 2015, 64, 355-363.	5.2	30
6	Scintillating screens based on the LPE grown $\text{Tb}_3\text{Al}_5\text{O}_{12}:\text{Ce}$ single crystalline films. <i>Optical Materials</i> , 2017, 65, 73-81.	3.6	27
7	OSL signal of lithium fluoride and its relationship with TL glow-curves. <i>Radiation Measurements</i> , 2014, 71, 61-64.	1.4	25
8	Growth and luminescent properties of scintillators based on the single crystalline films of $(\text{Lu},\text{Gd})_3(\text{Al},\text{Ga})_5\text{O}_{12}:\text{Ce}$ garnets. <i>Journal of Luminescence</i> , 2016, 169, 828-837.	3.1	25
9	Analysis of TL and OSL kinetics of lithium aluminate. <i>Radiation Measurements</i> , 2014, 71, 143-147.	1.4	24
10	Properties of lithium aluminate for application as an OSL dosimeter. <i>Radiation Physics and Chemistry</i> , 2014, 104, 76-79.	2.8	24
11	Epitaxial Growth of LuAG:Ce and LuAG:Ce,Pr Films and Their Scintillation Properties. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 1726-1732.	2.0	18
12	OSL dosimetric properties of cerium doped lutetium orthosilicates. <i>Radiation Measurements</i> , 2014, 71, 139-142.	1.4	14
13	LPE Growth of Single Crystalline Film Scintillators Based on Ce^{3+} Doped $\text{Tb}_3\text{Al}_5\text{O}_{12}:\text{Ce}$ Mixed Garnets. <i>Crystals</i> , 2017, 7, 262.	2.2	13
14	Composition engineering of single crystalline films based on the multicomponent garnet compounds. <i>Optical Materials</i> , 2016, 61, 3-10.	3.6	12
15	Thermoluminescence fading studies: Implications for long-duration space measurements in Low Earth Orbit. <i>Radiation Measurements</i> , 2013, 56, 303-306.	1.4	11
16	Photoluminescence and Thermoluminescence of the Oxygen-Deficient YAG, YAP, and YAM Phosphors. <i>Acta Physica Polonica A</i> , 2018, 133, 977-980.	0.5	11
17	Scintillating Screens Based on the Single Crystalline Films of Multicomponent Garnets: New Achievements and Possibilities. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 497-502.	2.0	10
18	Comparative study of TL and OSL properties of LSO and LSO:Ce single crystals and single crystalline films. <i>Radiation Measurements</i> , 2013, 56, 196-199.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Comparative analysis of the scintillation and thermoluminescent properties of Ce-doped LSO and YSO crystals and films. <i>Optical Materials</i> , 2014, 36, 1715-1719.	3.6	9
20	Luminescent properties of YAlO ₃ :Mn single crystalline films. <i>Optical Materials</i> , 2012, 34, 1979-1983.	3.6	8
21	Thermoluminescence kinetics of undoped and doped (Ti, Cu, Ce) lithium aluminate crystals. <i>Radiation Measurements</i> , 2017, 106, 107-112.	1.4	7
22	Thermoluminescent Properties of Undoped and Ce-Doped Lutetium Orthosilicate and Yttrium Orthosilicate Single Crystals and Single Crystalline Films Scintillators. <i>IEEE Transactions on Nuclear Science</i> , 2014, 61, 276-281.	2.0	6
23	Luminescent and scintillation properties of Sc ³⁺ and La ³⁺ doped Y ₂ SiO ₅ powders and single crystalline films. <i>Journal of Luminescence</i> , 2016, 179, 445-450.	3.1	6
24	Luminescent and scintillation properties of YAG:Dy and YAG:Dy,Ce single crystalline films. <i>Radiation Measurements</i> , 2016, 90, 308-313.	1.4	5
25	Thermoluminescent Properties of Cerium-Doped Lu ₂ SO ₅ and Y ₂ SiO ₅ Single Crystalline Films Scintillators Grown from PbO-B ₂ O ₃ and Bi ₂ O ₃ Fluxes. <i>Crystals</i> , 2018, 8, 120.	2.2	5
26	Luminescent and scintillation properties of YAG:Tm and YAG:Ce,Tm single crystalline films. <i>Optical Materials</i> , 2014, 36, 1685-1687.	3.6	4
27	Luminescent and scintillation properties of the Pr ³⁺ doped single crystalline films of Lu ₃ Al ₅ xGaxO ₁₂ garnet. <i>Radiation Measurements</i> , 2016, 90, 183-187.	1.4	3
28	Luminescent properties of Tm ³⁺ x Lu ³⁺ (1-x)Al ₅ O ₁₂ :Ce single crystalline films. <i>Optical Materials</i> , 2017, 69, 444-448.	3.6	2