

Stefan Schweizer

List of Publications by Year in descending order

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176
papers

2,111
citations

279798

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361022

35
g-index

181
all docs

181
docs citations

181
times ranked

1534
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermographic network identification for transient thermal heat path analysis. Quantitative InfraRed Thermography Journal, 2023, 20, 93-105.	4.2	6
2	Design and Construction of an LED-Based Excitation Source for Lock-In Thermography. Applied Sciences (Switzerland), 2022, 12, 2940.	2.5	4
3	Comparison of Dy ³⁺ -doped barium borate and lithium aluminoborate glass. Optical Materials, 2022, 128, 112339.	3.6	6
4	Luminescent light guides based on Dy-doped borate glass. , 2021, , .		0
5	Dy ³⁺ -doped lithium aluminoborate glass for luminescent light guides with high luminance. Optical Materials, 2021, 121, 111563.	3.6	4
6	Quantitative Performance Comparison of Thermal Structure Function Computations. Energies, 2021, 14, 7068.	3.1	6
7	Optimization-based Network Identification for Thermal Transient Measurements on LEDs. , 2021, , .		0
8	Optimization-Based Network Identification for Thermal Transient Measurements. Energies, 2021, 14, 7648.	3.1	4
9	Suitability of lock-in infrared thermography for luminescent glass development. Quantitative InfraRed Thermography Journal, 2020, 17, 96-106.	4.2	0
10	Far-field studies on Eu ³⁺ -doped lithium aluminoborate glass for LED lighting. Optical Materials: X, 2020, 5, 100046.	0.8	0
11	Colour shift in Dy ³⁺ -doped lithium aluminoborate glass. Journal of Luminescence, 2020, 223, 117215.	3.1	10
12	Thermal Equivalence Networks for Analysis of Transient Thermographic Data. , 2020, , .		1
13	Lanthanide-doped glasses as frequency-converter for high-power LED applications. Optical Materials, 2019, 88, 74-79.	3.6	9
14	Application of Infrared Thermography to Thermal Transient Measurements. , 2019, , .		0
15	Structural and optical properties of Dy ³⁺ -doped lithium borate glass. Journal of Commonwealth Law and Legal Education, 2018, 59, 93-96.	0.5	4
16	Excitation power dependence of Eu ³⁺ photoluminescence in barium borate glass. Journal of Commonwealth Law and Legal Education, 2018, 59, 130-134.	0.5	1
17	Tb ³⁺ , Eu ³⁺ , and Dy ³⁺ doped lithium borate and lithium aluminoborate glass: Glass properties and photoluminescence quantum efficiency. Journal of Non-Crystalline Solids, 2018, 499, 380-386.	3.1	22
18	Characterization of Luminescent Materials with ¹⁵¹ Eu Mössbauer Spectroscopy. Materials, 2018, 11, 828.	2.9	9

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19	Pixelated phosphors for high-resolution and high-contrast white light sources. <i>Optics Express</i> , 2018, 26, 26134.	3.4	9
20	Tm/Tb/Eu triple-doped lithium aluminoborate glass for white light generation. <i>Journal of Luminescence</i> , 2017, 192, 71-76.	3.1	32
21	Thermal diffusivity of metals determined by lock-in thermography. <i>Quantitative InfraRed Thermography Journal</i> , 2017, 14, 218-225.	4.2	18
22	Concentration-dependent luminescence and energy transfer in Tb^{3+} doped lithium aluminoborate and fluorozirconate glasses. <i>Journal of Luminescence</i> , 2017, 187, 298-303.	3.1	26
23	Temperature-dependent luminescence and energy transfer properties of Tb^{3+} and Eu^{3+} doped barium borate glasses. <i>Journal of Luminescence</i> , 2017, 181, 31-35.	3.1	38
24	Lock-in Thermography for the Development of New Materials. <i>Materials Today: Proceedings</i> , 2017, 4, S128-S134.	1.8	1
25	Calcium fluoride based multifunctional nanoparticles for multimodal imaging. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1484-1493.	2.8	7
26	Conversion of Bulk Metallurgical Silicon into Photocatalytic Nanoparticles by Copper-Assisted Chemical Etching. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6590-6599.	6.7	20
27	Effect of induced crystallization in rare-earth doped lithium borate glass. <i>Radiation Measurements</i> , 2016, 90, 274-278.	1.4	20
28	Quantum efficiency and energy transfer processes in rare-earth doped borate glass for solid-state lighting. <i>Journal of Luminescence</i> , 2016, 170, 770-777.	3.1	54
29	Temperature-dependent luminescence of Tb^{3+} and Eu^{3+} single-doped glasses for LED applications. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 1359-1364.	0.8	7
30	Multi-functionality of luminescent glasses for energy applications. <i>Physica Scripta</i> , 2015, 90, 094004.	2.5	6
31	Thermographic investigation of luminescent barium borate glasses for white-LED applications. , 2015, , .		0
32	Highly Efficient and Broadband Upconversion of NIR Sunlight with Neodymium-Doped Glass Ceramics. <i>Advanced Optical Materials</i> , 2015, 3, 541-545.	7.3	9
33	Luminescent borate glass for efficiency enhancement of CdTe solar cells. <i>Journal of Luminescence</i> , 2015, 164, 76-80.	3.1	14
34	Optical properties of down-shifting barium borate glass for CdTe solar cells. <i>Optical Materials</i> , 2015, 41, 143-145.	3.6	12
35	EPR, ENDOR and optical spectroscopy of Yb^{3+} ion in $KZnF_3$ single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 77, 157-163.	4.0	3
36	Opportunities for Fluorochlorozirconate and Other Glass-Ceramic Detectors in Medical Imaging Devices. <i>Journal of Biomedical Technology and Research</i> , 2015, 02, .	0.2	1

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37	Trivalent rare-earth ions as photon down-shifter for photovoltaic applications. Proceedings of SPIE, 2014, , .	0.8	1
38	Low phonon energy fluorozirconate-based glass ceramics for efficient rare-earth luminescence. , 2014, , .		0
39	Rate equation analysis of nanocrystal-enhanced upconversion in neodymium-doped glass ceramics. Proceedings of SPIE, 2014, , .	0.8	1
40	Multiphonon relaxation in rare-earth doped fluorozirconate-based glasses containing BaCl ₂ nanocrystals. Journal of Physics Condensed Matter, 2014, 26, 025406.	1.8	4
41	On the role of the network modifier PbO in Sm ³⁺ -doped borate glasses. Journal of Luminescence, 2014, 151, 29-33.	3.1	23
42	Mössbauer spectroscopy of europium-containing glasses: optical activator study for x-ray image plates. Hyperfine Interactions, 2014, 226, 797-801.	0.5	1
43	Comprehensive Rate Equation Analysis of Upconversion Luminescence Enhancement Due to BaCl ₂ Nanocrystals in Neodymium-Doped Fluorozirconate-Based Glass Ceramics. Journal of Physical Chemistry C, 2014, 118, 13087-13098.	3.1	13
44	Crystallization studies on rare-earth co-doped fluorozirconate-based glasses. Journal of Non-Crystalline Solids, 2013, 371-372, 33-36.	3.1	9
45	Samarium fluorescence efficiency in high mass density borate glasses. Radiation Measurements, 2013, 56, 36-39.	1.4	3
46	Particle size monitoring of BaCl ₂ nanocrystals in fluorozirconate glasses. Journal of Non-Crystalline Solids, 2013, 363, 205-208.	3.1	11
47	Influence of BaCl ₂ Nanocrystal Size on the Optical Properties of Nd ³⁺ in Fluorozirconate Glass. Journal of Physical Chemistry C, 2013, 117, 10630-10635.	3.1	8
48	Optimized scribing of TCO layers on glass by selective femtosecond laser ablation. , 2013, , .		0
49	Mössbauer spectroscopy of europium-doped fluorochlorozirconate glasses and glass ceramics: optimization of storage phosphors in computed radiography. Journal of Physics Condensed Matter, 2013, 25, 205402.	1.8	5
50	Low phonon energy BaCl ₂ nanocrystals in Nd ³⁺ -doped fluorozirconate glasses and their influence on the photoluminescence properties. Materials Research Society Symposia Proceedings, 2012, 1404, 90.	0.1	7
51	Neodymium-doped barium borate glasses as fluorescent concentrators for the infrared spectral range. , 2012, , .		0
52	Optical characterization of TCO films on borate glasses for high efficiency solar cells. Proceedings of SPIE, 2012, , .	0.8	0
53	Fluorescent borate glass superstrates for high efficiency CdTe solar cells. , 2012, , .		7
54	Laser structuring of solar glasses for light management. , 2011, , .		0

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55	The oxidation state of europium in halide glasses. Journal of Physics Condensed Matter, 2011, 23, 495402.	1.8	10
56	Optical characterization of ITO films on fluorescent borate glasses for high efficiency solar cells. , 2011, , .		0
57	Structural phase transitions of barium halide nanocrystals in fluorozirconate glasses studied by Raman spectroscopy. Journal of Applied Physics, 2011, 109, 083545.	2.5	18
58	Investigations on crack development and crack growth in embedded solar cells. Proceedings of SPIE, 2011, , .	0.8	23
59	Effect of pH on the Synthesis and Properties of Luminescent SiO ₂ /Calcium Phosphate:Eu ³⁺ Core-Shell Nanoparticles. Langmuir, 2011, 27, 14025-14032.	3.5	30
60	Classification of recombination active defect structures in multicrystalline silicon solar cells. Energy Procedia, 2011, 8, 28-34.	1.8	16
61	Crystallization behavior of rare-earth doped fluorochlorozirconate glasses. Journal of Non-Crystalline Solids, 2011, 357, 2450-2452.	3.1	9
62	Mechanical properties of fluorozirconate-based glass ceramics for medical and photovoltaic applications. Journal of Non-Crystalline Solids, 2011, 357, 2264-2267.	3.1	4
63	Raman spectra of barium halides in orthorhombic and hexagonal symmetry: Anab initio study. Physical Review B, 2011, 83, .	3.2	9
64	z-Scan characterization of zwitterionic chromophores for optoelectronic switching. Applied Physics A: Materials Science and Processing, 2011, 104, 947-951.	2.3	4
65	Time-resolved investigations of erbium ions in ZBLAN-based glasses and glass ceramics. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2649-2652.	0.8	7
66	Synthesis and optical properties of luminescent core-shell structured silicate and phosphate nanoparticles. Optical Materials, 2011, 33, 1106-1110.	3.6	14
67	Photoluminescence properties of Sm ²⁺ -doped BaBr ₂ under hydrostatic pressure. Journal of Luminescence, 2011, 131, 2400-2403.	3.1	10
68	Publisher's Note: Raman spectra of barium halides in orthorhombic and hexagonal symmetry: Anab initio study [Phys. Rev. B 83, 024107 (2011)]. Physical Review B, 2011, 83, .	3.2	1
69	Structural properties of fluorozirconate-based glass ceramics doped with multivalent europium. Journal of Applied Physics, 2011, 110, 113527-1135275.	2.5	7
70	Biocompatible luminescent nanoparticles on the basis of calcium phosphate. Materials Research Society Symposia Proceedings, 2011, 1355, 1.	0.1	0
71	Classification of Recombination-Active Defects in Multicrystalline Solar Cells Made from Upgraded Metallurgical Grade (UMG) Silicon. Solid State Phenomena, 2011, 178-179, 88-93.	0.3	9
72	Progress on up- and down-converted fluorescence in rare-doped fluorozirconate-based glass ceramics for high efficiency solar cells. Proceedings of SPIE, 2010, , .	0.8	3

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73	Characterization of PV modules by combining results of mechanical and electrical analysis methods. Proceedings of SPIE, 2010, , .	0.8	7
74	Surface plasmons for fluorescence enhancement in Sm-doped borate glasses. Radiation Measurements, 2010, 45, 314-316.	1.4	11
75	Multi-functionality of fluorescent nanocrystals in glass ceramics. Radiation Measurements, 2010, 45, 485-489.	1.4	21
76	Spectral down-conversion in Sm-doped borate glasses for photovoltaic applications. , 2010, , .		8
77	Advances in up- and down-converted fluorescence for high efficiency solar cells using rare-earth doped fluorozirconate-based glasses and glass ceramics. Proceedings of SPIE, 2010, , .	0.8	5
78	XANES Studies on Eu-doped Fluorozirconate Based Glass Ceramics. Materials Research Society Symposia Proceedings, 2010, 1262, 7956536.	0.1	0
79	Saturation effects in the upconversion efficiency of Er-doped fluorozirconate glasses. Journal of Physics Condensed Matter, 2010, 22, 155107.	1.8	15
80	Photon down-conversion in Terbium(III)-doped thin dielectric films and fluorozirconate glasses for thin film solar cells. Proceedings of SPIE, 2010, , .	0.8	2
81	Scanning translucent glass-ceramic x-ray storage phosphors. Proceedings of SPIE, 2010, 7622, 76223W.	0.8	3
82	Phonon spectra of barium halide nanocrystals in fluorozirconate glasses. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012021.	0.6	3
83	PV module defect detection by combination of mechanical and electrical analysis methods. , 2010, , .		23
84	Differential scanning calorimetry investigations on Eu-doped fluorozirconate-based glass ceramics. Journal of Non-Crystalline Solids, 2010, 356, 3085-3089.	3.1	11
85	Eu oxidation state in fluorozirconate-based glass ceramics. Journal of Applied Physics, 2009, 106, 113501.	2.5	19
86	Erbium- and chlorine-doped fluorozirconate-based glasses for up-converted fluorescence. Journal of Non-Crystalline Solids, 2009, 355, 1916-1918.	3.1	7
87	Upconverted fluorescence in Er-doped ZBLAN glasses for high efficiency solar cells. Proceedings of SPIE, 2009, , .	0.8	13
88	Upconverted fluorescence in Nd ³⁺ -doped barium chloride single crystals. Journal of Physics Condensed Matter, 2009, 21, 125501.	1.8	9
89	Structure sensitive investigations on luminescence centres in Mn-activated LiBaF ₃ dosimeters. Radiation Measurements, 2008, 43, 319-322.	1.4	15
90	Neodymium-doped fluorochlorozirconate glasses as an upconversion model system for high efficiency solar cells. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2822-2830.	1.8	46

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91	Eu^{2+} - or Ce^{3+} -Doped Barium Halide Scintillators for X-Ray and γ -Ray Detections. IEEE Transactions on Nuclear Science, 2008, 55, 1183-1185.	2.0	20
92	Sm-activated barium halide nanocrystals in fluorozirconate glasses. Journal of Physics Condensed Matter, 2008, 20, 295227.	1.8	3
93	Structural and optical investigations of Nd-doped fluorozirconate-based glass ceramics for enhanced upconverted fluorescence. Applied Physics Letters, 2008, 92, .	3.3	38
94	Paramagnetic hyperfine splitting in the spectra of Eu^{2+} ions in fluorozirconate-based glass ceramics. Applied Physics Letters, 2008, 92, .	3.2	3
95	Class Ceramics for High-Resolution Imaging. , 2008, , .		0
96	Enhanced up-converted fluorescence in fluorozirconate based glass ceramics for high efficiency solar cells. , 2008, , .		6
97	Recombination processes in undoped and rare-earth doped MAl_2O_4 (M=Ca,Sr) persistent phosphors investigated by optically detected magnetic resonance. Applied Physics Letters, 2007, 90, 051902.	3.3	1
98	Fluorozirconate-based glass-ceramic storage phosphors for digital mammography. , 2007, , .		1
99	Flouescence reference materials used for optical and biophotonic applications. , 2007, , .		2
100	Cerium-doped barium halide scintillators for x-ray and γ -ray detections. Journal of Applied Physics, 2007, 102, .	2.5	23
101	Europium-doped barium halide scintillators for x-ray and γ -ray detections. Journal of Applied Physics, 2007, 101, 034901.	2.5	53
102	Zr and Ba edge phenomena in the scintillation intensity of fluorozirconate-based glass-ceramic X-ray detectors. Journal of Synchrotron Radiation, 2007, 14, 252-256.	2.4	4
103	Optical and electron paramagnetic resonance studies on radiation defects in Mn-activated RbCdF_3 . Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1071-1074.	0.8	6
104	Europium-doped barium halide X-ray scintillators. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 976-979.	0.8	8
105	Recombination processes in rare-earth doped MAl_2O_4 (M = Ca, Sr) persistent phosphors investigated by optically-detected magnetic resonance. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 677-682.	1.8	3
106	A Glass-Ceramic Plate for Mammography. Journal of the American Ceramic Society, 2007, 90, 693-698.	3.8	39
107	Fluorozirconate-based glass ceramic X-ray detectors for digital radiography. Radiation Measurements, 2007, 42, 632-637.	1.4	21
108	Energy-dependent scintillation intensity of fluorozirconate-based glass-ceramic x-ray detectors. , 2006, , .		4

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109	Fluorozirconate-based nanophase glass ceramics for high-resolution medical X-ray imaging. Journal of Non-Crystalline Solids, 2006, 352, 610-614.	3.1	25
110	Glass based fluorescence reference materials used for optical and biophotonic applications. , 2006, , .		4
111	The effect of x-ray, γ -ray, and UV radiations on the optical properties of RbCdF ₃ :Mn ²⁺ . Journal of Applied Physics, 2006, 100, 033102.	2.5	23
112	Spatial resolution of a glass-ceramic X-ray storage phosphor. Current Applied Physics, 2006, 6, 399-402.	2.4	14
113	X-ray and UV induced photo-luminescence from RbCdF ₃ :Mn ²⁺ . Current Applied Physics, 2006, 6, 351-354.	2.4	4
114	Transparent BaCl ₂ :Eu ²⁺ glass-ceramic scintillator. , 2006, 6142, 994.		8
115	Insights into phase formation in fluorochlorozirconate glass-ceramic storage phosphors. Applied Physics Letters, 2006, 88, 191915.	3.3	13
116	Eu-activated fluorochlorozirconate glass-ceramic scintillators. Journal of Applied Physics, 2006, 100, 034701.	2.5	87
117	Optically detected magnetic resonance investigation of a luminescent oxygen-vacancy complex in Mn-doped LiBaF ₃ . Journal of Physics Condensed Matter, 2006, 18, 1577-1583.	1.8	7
118	Optical and magneto-optical studies of Mn-activated LiBaF ₃ . Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 380-383.	0.8	11
119	The O-(Al ₂) centre in topaz and its relation to the blue colour. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 397-400.	0.8	12
120	Radiation defects in Ce-doped BaCl ₂ and fluorochlorozirconate glass-ceramic X-ray storage phosphors. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 592-595.	0.8	10
121	Photostimulable defects in nano-crystallites in fluoro-zirconate glasses. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 243-249.	1.8	5
122	Comparison of the luminescence properties of the x-ray storage phosphors BaCl ₂ :Ce ³⁺ and BaBr ₂ :Ce ³⁺ . Journal of Physics Condensed Matter, 2005, 17, 8069-8078.	1.8	8
123	Characterization of Si and CVD SiC to Glass Anodic Bonding Using TEM and STEM Analysis. Journal of the Electrochemical Society, 2005, 152, E131.	2.9	9
124	Photostimulated luminescence from fluorochlorozirconate glass ceramics and the effect of crystallite size. Journal of Applied Physics, 2005, 97, 083522.	2.5	76
125	ZBLAN-based x-ray storage phosphors and scintillators for digital x-ray imaging. , 2005, , .		9
126	New developments in X-ray storage phosphors. Radiation Measurements, 2004, 38, 633-638.	1.4	12

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127	Optical properties of a high-efficiency glass ceramic X-ray storage phosphor. <i>Radiation Measurements</i> , 2004, 38, 413-416.	1.4	25
128	Correlation of irradiation-induced yellow color with the O - hole center in tourmaline. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 168-175.	0.8	21
129	Photoluminescence and photostimulated luminescence in the X-ray storage phosphor BaBr ₂ doped with cerium. <i>Radiation Measurements</i> , 2004, 38, 511-514.	1.4	3
130	Radiation defects in Ce ³⁺ -activated fluorobromozirconate glass-ceramic X-ray storage phosphors. <i>Radiation Measurements</i> , 2004, 38, 739-742.	1.4	2
131	New materials for glass-ceramic X-ray storage phosphors. <i>Current Applied Physics</i> , 2004, 4, 193-196.	2.4	14
132	Luminescence properties of the x-ray storage phosphor BaBr ₂ :Ce ³⁺ . <i>Journal of Physics Condensed Matter</i> , 2004, 16, 1489-1500.	1.8	12
133	Photostimulated luminescence from a fluorobromozirconate glass-ceramic and the effect of crystallite size and phase. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 1097-1108.	1.8	30
134	A new fluorozirconate glass-ceramic X-ray storage phosphor. <i>Journal of Non-Crystalline Solids</i> , 2003, 326-327, 489-493.	3.1	22
135	Radiation-induced defects and their recombination processes in the x-ray storage phosphor BaBr ₂ :Eu ²⁺ . <i>Journal of Physics Condensed Matter</i> , 2003, 15, 2061-2070.	1.8	13
136	Photostimulated luminescence in Eu-doped fluorochlorozirconate glass ceramics. <i>Applied Physics Letters</i> , 2003, 83, 449-451.	3.3	108
137	Optically detected magnetic resonance investigation of oxygen luminescence centres in BaF ₂ . <i>Journal of Physics Condensed Matter</i> , 2002, 14, 6949-6956.	1.8	7
138	Development of X-ray storage phosphor glass-ceramics. <i>Radiation Effects and Defects in Solids</i> , 2002, 157, 895-902.	1.2	1
139	Magneto-optical and electron paramagnetic resonance investigations of U ⁴⁺ (5f ²) and Pr ³⁺ (4f ²) in lithium yttrium fluoride. <i>Journal of Alloys and Compounds</i> , 2002, 344, 246-250.	5.5	4
140	Investigation of radiation-induced yellow color in tourmaline by magnetic resonance. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 191, 241-245.	1.4	21
141	Radiation-induced centers in Cs-rich beryl studied by magnetic resonance, infrared and optical spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 191, 285-290.	1.4	9
142	Scintillation processes studied by magnetic resonance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 486, 315-320.	1.6	0
143	Luminescence of BaBr ₂ :Eu ²⁺ under hydrostatic pressure. <i>Journal of Luminescence</i> , 2002, 99, 343-347.	3.1	23
144	Magnetic resonance investigations of oxygen-related luminescence centres in AlN ceramics. <i>Radiation Effects and Defects in Solids</i> , 2001, 156, 235-239.	1.2	0

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145	EPR of Eu ²⁺ in BaBr ₂ crystals and fluorobromozirconate glass ceramics. Journal of Physics Condensed Matter, 2001, 13, 2331-2338.	1.8	27
146	Photoluminescence and crystallization in europium-doped fluorobromozirconate glass-ceramics. Journal of Non-Crystalline Solids, 2001, 284, 237-242.	3.1	22
147	Excited states of F centres in alkali halides resonant with the conduction band. Radiation Effects and Defects in Solids, 2001, 155, 27-30.	1.2	0
148	Red-shift in the photostimulation of the X-ray storage phosphor RbBr:Ga ⁺ . Radiation Effects and Defects in Solids, 2001, 154, 337-340.	1.2	0
149	Magnetic resonance investigation of the dynamics of F centers in LiF. Solid State Communications, 2001, 119, 453-458.	1.9	9
150	Electron paramagnetic resonance of GaN detected by recombination afterglow. Physica B: Condensed Matter, 2001, 308-310, 66-68.	2.7	3
151	RbBr and CsBr doped with Eu ²⁺ as new competitive X-ray storage phosphors. Radiation Measurements, 2001, 33, 483-486.	1.4	33
152	Glass ceramics as X-ray storage phosphors for high spatial resolution. Radiation Measurements, 2001, 33, 487-490.	1.4	12
153	Structural phase changes in barium bromide nano-crystals in a fluorobromozirconate glass-ceramic x-ray storage phosphor. Journal of Physics Condensed Matter, 2001, 13, 6259-6269.	1.8	29
154	Magnetic resonance investigation of F centers in LiF caused by ionizing radiation. Radiation Effects and Defects in Solids, 2001, 155, 159-163.	1.2	5
155	Investigation of Oxygen-Related Luminescence Centres in AlN Ceramics. Physica Status Solidi (B): Basic Research, 2000, 219, 171-180.	1.5	40
156	Magneto-optical investigations of radiation defects in cerium-doped fluorozirconate glasses. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 505-507.	1.4	2
157	Radiation damage in rare-earth and bromine-doped fluorozirconate glass ceramics as basis for novel X-ray storage phosphors. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 508-510.	1.4	4
158	An EPR/ENDOR investigation of a [ZrPO ₄]O centre in x-irradiated zircon: the Zr(±) centre. Journal of Physics Condensed Matter, 2000, 12, 1421-1430.	1.8	3
159	Photostimulated luminescence process in the x-ray storage phosphor CsBr:Ga ⁺ . Journal of Applied Physics, 2000, 87, 207-211.	2.5	17
160	Optically detected magnetic resonance investigations of oxygen luminescence centres in BaFCl. Journal of Physics Condensed Matter, 2000, 12, 6237-6243.	1.8	9
161	Generation of F centres and hole centres in nonstoichiometric BaFBr X-ray storage phosphors. Radiation Effects and Defects in Solids, 1999, 149, 31-35.	1.2	0
162	Photostimulated luminescence in a rare earth-doped fluorobromozirconate glass ceramic. Applied Physics Letters, 1999, 75, 2386-2388.	3.3	42

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163	Detection of electron paramagnetic resonance of radiation-induced defects in BaFBr via recombination luminescence. Radiation Effects and Defects in Solids, 1999, 149, 69-72.	1.2	1
164	Structural models for room temperature stable radiation-induced centres in zircon. Journal of Physics Condensed Matter, 1999, 11, 8579-8589.	1.8	7
165	Magnetic resonance investigations on oxygen-contaminated BaFBr. Radiation Effects and Defects in Solids, 1999, 149, 73-76.	1.2	0
166	New oxygen hole centres in the x-ray storage phosphor BaFBr. Journal of Physics Condensed Matter, 1999, 11, 1723-1733.	1.8	10
167	Electron paramagnetic resonance of doped and undoped BaFBr detected by recombination luminescence. Radiation Measurements, 1998, 29, 283-285.	1.4	1
168	Oxygen centres in stoichiometric BaFBr and intrinsic hole centres in nonstoichiometric BaFBr. Radiation Measurements, 1998, 29, 291-293.	1.4	4
169	Ga ²⁺ hole centers and photostimulated luminescence in the x-ray storage phosphor RbBr:Ga ⁺ . Journal of Applied Physics, 1998, 84, 4537-4542.	2.5	14
170	Generation of F centres and hole centres in the nonstoichiometric x-ray storage phosphor BaFBr. Journal of Physics Condensed Matter, 1998, 10, 9111-9122.	1.8	19
171	EPR AND ENDOR INVESTIGATION OF SINGLE CRYSTALLINE AND POWDERED NaCl:Rh ²⁺ and AgCl:Rh ²⁺ . Journal of Physics and Chemistry of Solids, 1997, 58, 859-867.	4.0	28
172	Electron traps in Ca ²⁺ - or Sr ²⁺ -doped BaFBr:Eu ²⁺ x-ray storage phosphors. Journal of Applied Physics, 1996, 79, 4157.	2.5	24
173	Increasing solar-cell efficiency by femtosecond laser microstructuring. SPIE Newsroom, 0, , .	0.1	2
174	Analysis of Thermal Diffusivity of Metals using Lock-in Thermography. , 0, , .		0
175	Transient Thermographic Heat Path Analysis using Spatially Resolved Thermal Equivalent Networks. , 0, , .		0
176	Preparation of Phosphorescent Eu ²⁺ , Dy ³⁺ Doped Strontium Aluminate Nanoparticles by Laser Vaporization for the Modification of Therapeutic Contact Lenses. Advanced Photonics Research, 0, , 2200013.	3.6	0