

# Stefan Schweizer

## List of Publications by Year in descending order

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176  
papers

2,111  
citations

279798

23  
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361022

35  
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181  
all docs

181  
docs citations

181  
times ranked

1534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photostimulated luminescence in Eu-doped fluorochlorozirconate glass ceramics. Applied Physics Letters, 2003, 83, 449-451.	3.3	108
2	Eu-activated fluorochlorozirconate glass-ceramic scintillators. Journal of Applied Physics, 2006, 100, 034701.	2.5	87
3	Photostimulated luminescence from fluorochlorozirconate glass ceramics and the effect of crystallite size. Journal of Applied Physics, 2005, 97, 083522.	2.5	76
4	Quantum efficiency and energy transfer processes in rare-earth doped borate glass for solid-state lighting. Journal of Luminescence, 2016, 170, 770-777.	3.1	54
5	Europium-doped barium halide scintillators for x-ray and $\gamma$ -ray detections. Journal of Applied Physics, 2007, 101, 034901.	2.5	53
6	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
7	Photostimulated luminescence in a rare earth-doped fluorobromozirconate glass ceramic. Applied Physics Letters, 1999, 75, 2386-2388.	3.3	42
8	Investigation of Oxygen-Related Luminescence Centres in AlN Ceramics. Physica Status Solidi (B): Basic Research, 2000, 219, 171-180.	1.5	40
9	A Glass-Ceramic Plate for Mammography. Journal of the American Ceramic Society, 2007, 90, 693-698.	3.8	39
10	Structural and optical investigations of Nd-doped fluorozirconate-based glass ceramics for enhanced upconverted fluorescence. Applied Physics Letters, 2008, 92, .	3.3	38
11	Temperature-dependent luminescence and energy transfer properties of Tb <sup>3+</sup> and Eu <sup>3+</sup> doped barium borate glasses. Journal of Luminescence, 2017, 181, 31-35.	3.1	38
12	RbBr and CsBr doped with Eu <sup>2+</sup> as new competitive X-ray storage phosphors. Radiation Measurements, 2001, 33, 483-486.	1.4	33
13	Tm/Tb/Eu triple-doped lithium aluminoborate glass for white light generation. Journal of Luminescence, 2017, 192, 71-76.	3.1	32
14	Photostimulated luminescence from a fluorobromozirconate glass-ceramic and the effect of crystallite size and phase. Journal of Physics Condensed Matter, 2003, 15, 1097-1108.	1.8	30
15	Effect of pH on the Synthesis and Properties of Luminescent SiO <sub>2</sub> /Calcium Phosphate:Eu <sup>3+</sup> Core-Shell Nanoparticles. Langmuir, 2011, 27, 14025-14032.	3.5	30
16	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
17	EPR AND ENDOR INVESTIGATION OF SINGLE CRYSTALLINE AND POWDERED NaCl:Rh <sup>2+</sup> and AgCl:Rh <sup>2+</sup> . Journal of Physics and Chemistry of Solids, 1997, 58, 859-867.	4.0	28
18	EPR of Eu <sup>2+</sup> in BaBr <sub>2</sub> crystals and fluorobromozirconate glass ceramics. Journal of Physics Condensed Matter, 2001, 13, 2331-2338.	1.8	27

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19	Concentration-dependent luminescence and energy transfer in $\text{Tb}^{3+}$ -doped borate and fluorozirconate glasses. <i>Journal of Luminescence</i> , 2017, 187, 298-303.	3.1	26
20	Optical properties of a high-efficiency glass ceramic X-ray storage phosphor. <i>Radiation Measurements</i> , 2004, 38, 413-416.	1.4	25
21	Fluorozirconate-based nanophase glass ceramics for high-resolution medical X-ray imaging. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 610-614.	3.1	25
22	Electron traps in $\text{Ca}^{2+}$ - or $\text{Sr}^{2+}$ -doped $\text{BaFBr:Eu}^{2+}$ x-ray storage phosphors. <i>Journal of Applied Physics</i> , 1996, 79, 4157.	2.5	24
23	Luminescence of $\text{BaBr}_2:\text{Eu}^{2+}$ under hydrostatic pressure. <i>Journal of Luminescence</i> , 2002, 99, 343-347.	3.1	23
24	The effect of x-ray, $\gamma$ -ray, and UV radiations on the optical properties of $\text{RbCdF}_3:\text{Mn}^{2+}$ . <i>Journal of Applied Physics</i> , 2006, 100, 033102.	2.5	23
25	Cerium-doped barium halide scintillators for x-ray and $\gamma$ -ray detections. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	23
26	PV module defect detection by combination of mechanical and electrical analysis methods. , 2010, , .		23
27	Investigations on crack development and crack growth in embedded solar cells. <i>Proceedings of SPIE</i> , 2011, , .	0.8	23
28	On the role of the network modifier $\text{PbO}$ in $\text{Sm}^{3+}$ -doped borate glasses. <i>Journal of Luminescence</i> , 2014, 151, 29-33.	3.1	23
29	Photoluminescence and crystallization in europium-doped fluorobromozirconate glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2001, 284, 237-242.	3.1	22
30	A new fluorozirconate glass-ceramic X-ray storage phosphor. <i>Journal of Non-Crystalline Solids</i> , 2003, 326-327, 489-493.	3.1	22
31	$\text{Tb}^{3+}$ , $\text{Eu}^{3+}$ , and $\text{Dy}^{3+}$ doped lithium borate and lithium aluminoborate glass: Glass properties and photoluminescence quantum efficiency. <i>Journal of Non-Crystalline Solids</i> , 2018, 499, 380-386.	3.1	22
32	Investigation of radiation-induced yellow color in tourmaline by magnetic resonance. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2002, 191, 241-245.	1.4	21
33	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
34	Fluorozirconate-based glass ceramic X-ray detectors for digital radiography. <i>Radiation Measurements</i> , 2007, 42, 632-637.	1.4	21
35	Multi-functionality of fluorescent nanocrystals in glass ceramics. <i>Radiation Measurements</i> , 2010, 45, 485-489.	1.4	21
36	$\text{Eu}^{2+}$ - or $\text{Ce}^{3+}$ -Doped Barium Halide Scintillators for X-Ray and $\gamma$ -Ray Detections. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 1183-1185.	2.0	20

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37	Conversion of Bulk Metallurgical Silicon into Photocatalytic Nanoparticles by Copper-Assisted Chemical Etching. ACS Sustainable Chemistry and Engineering, 2016, 4, 6590-6599.	6.7	20
38	Effect of induced crystallization in rare-earth doped lithium borate glass. Radiation Measurements, 2016, 90, 274-278.	1.4	20
39	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
40	Eu oxidation state in fluorozirconate-based glass ceramics. Journal of Applied Physics, 2009, 106, 113501.	2.5	19
41	Structural phase transitions of barium halide nanocrystals in fluorozirconate glasses studied by Raman spectroscopy. Journal of Applied Physics, 2011, 109, 083545.	2.5	18
42	Thermal diffusivity of metals determined by lock-in thermography. Quantitative InfraRed Thermography Journal, 2017, 14, 218-225.	4.2	18
43	Photostimulated luminescence process in the x-ray storage phosphor CsBr:Ga+. Journal of Applied Physics, 2000, 87, 207-211.	2.5	17
44	Classification of recombination active defect structures in multicrystalline silicon solar cells. Energy Procedia, 2011, 8, 28-34.	1.8	16
45	Structure sensitive investigations on luminescence centres in Mn-activated LiBaF3 dosimeters. Radiation Measurements, 2008, 43, 319-322.	1.4	15
46	Saturation effects in the upconversion efficiency of Er-doped fluorozirconate glasses. Journal of Physics Condensed Matter, 2010, 22, 155107.	1.8	15
47	Ga <sup>2+</sup> hole centers and photostimulated luminescence in the x-ray storage phosphor RbBr:Ga+. Journal of Applied Physics, 1998, 84, 4537-4542.	2.5	14
48	New materials for glass-ceramic X-ray storage phosphors. Current Applied Physics, 2004, 4, 193-196.	2.4	14
49	Spatial resolution of a glass-ceramic X-ray storage phosphor. Current Applied Physics, 2006, 6, 399-402.	2.4	14
50	Synthesis and optical properties of luminescent core-shell structured silicate and phosphate nanoparticles. Optical Materials, 2011, 33, 1106-1110.	3.6	14
51	Luminescent borate glass for efficiency enhancement of CdTe solar cells. Journal of Luminescence, 2015, 164, 76-80.	3.1	14
52	Radiation-induced defects and their recombination processes in the x-ray storage phosphor BaBr <sub>2</sub> :Eu <sup>2+</sup> . Journal of Physics Condensed Matter, 2003, 15, 2061-2070.	1.8	13
53	Insights into phase formation in fluorochlorozirconate glass-ceramic storage phosphors. Applied Physics Letters, 2006, 88, 191915.	3.3	13
54	Upconverted fluorescence in Er-doped ZBLAN glasses for high efficiency solar cells. Proceedings of SPIE, 2009, , .	0.8	13

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55	Comprehensive Rate Equation Analysis of Upconversion Luminescence Enhancement Due to BaCl <sub>2</sub> Nanocrystals in Neodymium-Doped Fluorozirconate-Based Glass Ceramics. Journal of Physical Chemistry C, 2014, 118, 13087-13098.	3.1	13
56	Glass ceramics as X-ray storage phosphors for high spatial resolution. Radiation Measurements, 2001, 33, 487-490.	1.4	12
57	New developments in X-ray storage phosphors. Radiation Measurements, 2004, 38, 633-638.	1.4	12
58	Luminescence properties of the x-ray storage phosphor BaBr <sub>2</sub> :Ce <sup>3+</sup> . Journal of Physics Condensed Matter, 2004, 16, 1489-1500.	1.8	12
59	The O-(Al <sub>2</sub> ) 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
60	Optical properties of down-shifting barium borate glass for CdTe solar cells. Optical Materials, 2015, 41, 143-145.	3.6	12
61	Optical and magneto-optical studies of Mn-activated LiBaF <sub>3</sub> . Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 380-383.	0.8	11
62	Surface plasmons for fluorescence enhancement in Sm-doped borate glasses. Radiation Measurements, 2010, 45, 314-316.	1.4	11
63	Differential scanning calorimetry investigations on Eu-doped fluorozirconate-based glass ceramics. Journal of Non-Crystalline Solids, 2010, 356, 3085-3089.	3.1	11
64	Particle size monitoring of BaCl <sub>2</sub> nanocrystals in fluorozirconate glasses. Journal of Non-Crystalline Solids, 2013, 363, 205-208.	3.1	11
65	New oxygen hole centres in the x-ray storage phosphor BaFBr. Journal of Physics Condensed Matter, 1999, 11, 1723-1733.	1.8	10
66	Radiation defects in Ce-doped BaCl <sub>2</sub> 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
67	The oxidation state of europium in halide glasses. Journal of Physics Condensed Matter, 2011, 23, 495402.	1.8	10
68	Photoluminescence properties of Sm <sup>2+</sup> -doped BaBr <sub>2</sub> under hydrostatic pressure. Journal of Luminescence, 2011, 131, 2400-2403.	3.1	10
69	Colour shift in Dy <sup>3+</sup> -doped lithium aluminoborate glass. Journal of Luminescence, 2020, 223, 117215.	3.1	10
70	Optically detected magnetic resonance investigations of oxygen luminescence centres in BaFCl. Journal of Physics Condensed Matter, 2000, 12, 6237-6243.	1.8	9
71	Magnetic resonance investigation of the dynamics of F centers in LiF. Solid State Communications, 2001, 119, 453-458.	1.9	9
72	Radiation-induced centers in Cs-rich beryl studied by magnetic resonance, infrared and optical spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 285-290.	1.4	9

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73	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
74	ZBLAN-based x-ray storage phosphors and scintillators for digital x-ray imaging. , 2005, , .		9
75	Upconverted fluorescence in Nd <sup>3+</sup> -doped barium chloride single crystals. Journal of Physics Condensed Matter, 2009, 21, 125501.	1.8	9
76	Crystallization behavior of rare-earth doped fluorochlorozirconate glasses. Journal of Non-Crystalline Solids, 2011, 357, 2450-2452.	3.1	9
77	Raman spectra of barium halides in orthorhombic and hexagonal symmetry: Anab initiostudy. Physical Review B, 2011, 83, .	3.2	9
78	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
79	Crystallization studies on rare-earth co-doped fluorozirconate-based glasses. Journal of Non-Crystalline Solids, 2013, 371-372, 33-36.	3.1	9
80	Highly Efficient and Broadband Upconversion of NIR Sunlight with Neodymium- Doped Glass Ceramics. Advanced Optical Materials, 2015, 3, 541-545.	7.3	9
81	Characterization of Luminescent Materials with <sup>151</sup> Eu Mössbauer Spectroscopy. Materials, 2018, 11, 828.	2.9	9
82	Lanthanide-doped glasses as frequency-converter for high-power LED applications. Optical Materials, 2019, 88, 74-79.	3.6	9
83	Pixelated phosphors for high-resolution and high-contrast white light sources. Optics Express, 2018, 26, 26134.	3.4	9
84	Comparison of the luminescence properties of the x-ray storage phosphors BaCl <sub>2</sub> :Ce <sup>3+</sup> and BaBr <sub>2</sub> :Ce <sup>3+</sup> . Journal of Physics Condensed Matter, 2005, 17, 8069-8078.	1.8	8
85	Transparent BaCl <sub>2</sub> :Eu <sup>2+</sup> glass-ceramic scintillator. , 2006, 6142, 994.		8
86	Europium-doped barium halide X-ray scintillators. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 976-979.	0.8	8
87	Spectral down-conversion in Sm-doped borate glasses for photovoltaic applications. , 2010, , .		8
88	Influence of BaCl <sub>2</sub> Nanocrystal Size on the Optical Properties of Nd <sup>3+</sup> in Fluorozirconate Glass. Journal of Physical Chemistry C, 2013, 117, 10630-10635.	3.1	8
89	Structural models for room temperature stable radiation-induced centres in zircon. Journal of Physics Condensed Matter, 1999, 11, 8579-8589.	1.8	7
90	Optically detected magnetic resonance investigation of oxygen luminescence centres in BaF <sub>2</sub> . Journal of Physics Condensed Matter, 2002, 14, 6949-6956.	1.8	7

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91	Optically detected magnetic resonance investigation of a luminescent oxygen-vacancy complex in Mn-doped LiBaF <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , 2006, 18, 1577-1583.	1.8	7
92	Erbium- and chlorine-doped fluorozirconate-based glasses for up-converted fluorescence. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 1916-1918.	3.1	7
93	Characterization of PV modules by combining results of mechanical and electrical analysis methods. <i>Proceedings of SPIE</i> , 2010, , .	0.8	7
94	Time-resolved investigations of erbium ions in ZBLAN-based glasses and glass ceramics. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 2649-2652.	0.8	7
95	Structural properties of fluorozirconate-based glass ceramics doped with multivalent europium. <i>Journal of Applied Physics</i> , 2011, 110, 113527-1135275.	2.5	7
96	Low phonon energy BaCl <sub>2</sub> nanocrystals in Nd <sup>3+</sup> -doped fluorozirconate glasses and their influence on the photoluminescence properties. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1404, 90.	0.1	7
97	Fluorescent borate glass superstrates for high efficiency CdTe solar cells. , 2012, , .		7
98	Temperature-dependent luminescence of Tb <sup>3+</sup> and Eu <sup>3+</sup> 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
99	Calcium fluoride based multifunctional nanoparticles for multimodal imaging. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1484-1493.	2.8	7
100	Optical and electron paramagnetic resonance studies on radiation defects in Mn-activated RbCdF <sub>3</sub> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 1071-1074.	0.8	6
101	Enhanced up-converted fluorescence in fluorozirconate based glass ceramics for high efficiency solar cells. , 2008, , .		6
102	Multi-functionality of luminescent glasses for energy applications. <i>Physica Scripta</i> , 2015, 90, 094004.	2.5	6
103	Quantitative Performance Comparison of Thermal Structure Function Computations. <i>Energies</i> , 2021, 14, 7068.	3.1	6
104	Thermographic network identification for transient thermal heat path analysis. <i>Quantitative InfraRed Thermography Journal</i> , 2023, 20, 93-105.	4.2	6
105	Comparison of Dy <sup>3+</sup> -doped barium borate and lithium aluminoborate glass. <i>Optical Materials</i> , 2022, 128, 112339.	3.6	6
106	Magnetic resonance investigation of F centers in LiF caused by ionizing radiation. <i>Radiation Effects and Defects in Solids</i> , 2001, 155, 159-163.	1.2	5
107	Photostimulable defects in nano-crystallites in fluorozirconate glasses. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 243-249.	1.8	5
108	Advances in up- and down-converted fluorescence for high efficiency solar cells using rare-earth doped fluorozirconate-based glasses and glass ceramics. <i>Proceedings of SPIE</i> , 2010, , .	0.8	5

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109	Mössbauer spectroscopy of europium-doped fluorochlorozirconate glasses and glass ceramics: optimization of storage phosphors in computed radiography. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 205402.	1.8	5
110	Oxygen centres in stoichiometric BaFBr and intrinsic hole centres in nonstoichiometric BaFBr. <i>Radiation Measurements</i> , 1998, 29, 291-293.	1.4	4
111	Radiation damage in rare-earth and bromine-doped fluorozirconate glass ceramics as basis for novel X-ray storage phosphors. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2000, 166-167, 508-510.	1.4	4
112	Magneto-optical and electron paramagnetic resonance investigations of U <sup>4+</sup> (5f <sup>2</sup> ) and Pr <sup>3+</sup> (4f <sup>2</sup> ) in lithium yttrium fluoride. <i>Journal of Alloys and Compounds</i> , 2002, 344, 246-250.	5.5	4
113	Energy-dependent scintillation intensity of fluorozirconate-based glass-ceramic x-ray detectors. , 2006, , .		4
114	Glass based fluorescence reference materials used for optical and biophotonic applications. , 2006, , .		4
115	X-ray and UV induced photo-luminescence from RbCdF <sub>3</sub> :Mn <sup>2+</sup> . <i>Current Applied Physics</i> , 2006, 6, 351-354.	2.4	4
116	Zr and Ba edge phenomena in the scintillation intensity of fluorozirconate-based glass-ceramic X-ray detectors. <i>Journal of Synchrotron Radiation</i> , 2007, 14, 252-256.	2.4	4
117	Mechanical properties of fluorozirconate-based glass ceramics for medical and photovoltaic applications. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 2264-2267.	3.1	4
118	z-Scan characterization of zwitterionic chromophores for optoelectronic switching. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 947-951.	2.3	4
119	Multiphonon relaxation in rare-earth doped fluorozirconate-based glasses containing BaCl <sub>2</sub> nanocrystals. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 025406.	1.8	4
120	Structural and optical properties of Dy <sup>3+</sup> -doped lithium borate glass. <i>Journal of Commonwealth Law and Legal Education</i> , 2018, 59, 93-96.	0.5	4
121	Dy <sup>3+</sup> -doped lithium aluminoborate glass for luminescent light guides with high luminance. <i>Optical Materials</i> , 2021, 121, 111563.	3.6	4
122	Optimization-Based Network Identification for Thermal Transient Measurements. <i>Energies</i> , 2021, 14, 7648.	3.1	4
123	Design and Construction of an LED-Based Excitation Source for Lock-In Thermography. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2940.	2.5	4
124	An EPR/ENDOR investigation of a [ZrPO <sub>4</sub> ] <sub>0</sub> centre in x-irradiated zircon: the Zr(Î±) centre. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 1421-1430.	1.8	3
125	Electron paramagnetic resonance of GaN detected by recombination afterglow. <i>Physica B: Condensed Matter</i> , 2001, 308-310, 66-68.	2.7	3
126	Photoluminescence and photostimulated luminescence in the X-ray storage phosphor BaBr <sub>2</sub> doped with cerium. <i>Radiation Measurements</i> , 2004, 38, 511-514.	1.4	3



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127	Recombination processes in rare-earth doped $\text{MAl}_2\text{O}_4$ (M = Ca, Sr) persistent phosphors investigated by optically-detected magnetic resonance. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 677-682.	1.8	3
128	Sm-activated barium halide nanocrystals in fluorozirconate glasses. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 295227.	1.8	3
129	Paramagnetic hyperfine splitting in the $E$ spectra of $\text{CaF}_2$	3.2	3
130	Progress on up- and down-converted fluorescence in rare-doped fluorozirconate-based glass ceramics for high efficiency solar cells. <i>Proceedings of SPIE</i> , 2010, , .	0.8	3
131	Scanning translucent glass-ceramic x-ray storage phosphors. <i>Proceedings of SPIE</i> , 2010, 7622, 76223W.	0.8	3
132	Phonon spectra of barium halide nanocrystals in fluorozirconate glasses. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 15, 012021.	0.6	3
133	Samarium fluorescence efficiency in high mass density borate glasses. <i>Radiation Measurements</i> , 2013, 56, 36-39.	1.4	3
134	EPR, ENDOR and optical spectroscopy of $\text{Yb}^{3+}$ ion in $\text{KZnF}_3$ single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 77, 157-163.	4.0	3
135	Magneto-optical investigations of radiation defects in cerium-doped fluorozirconate glasses. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2000, 166-167, 505-507.	1.4	2
136	Radiation defects in $\text{Ce}^{3+}$ -activated fluorobromozirconate glass-ceramic X-ray storage phosphors. <i>Radiation Measurements</i> , 2004, 38, 739-742.	1.4	2
137	Flouescence reference materials used for optical and biophotonic applications. , 2007, , .		2
138	Photon down-conversion in Terbium(III)-doped thin dielectric films and fluorozirconate glasses for thin film solar cells. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
139	Increasing solar-cell efficiency by femtosecond laser microstructuring. <i>SPIE Newsroom</i> , 0, , .	0.1	2
140	Electron paramagnetic resonance of doped and undoped $\text{BaFBr}$ detected by recombination luminescence. <i>Radiation Measurements</i> , 1998, 29, 283-285.	1.4	1
141	Detection of electron paramagnetic resonance of radiation-induced defects in $\text{BaFBr}$ via recombination luminescence. <i>Radiation Effects and Defects in Solids</i> , 1999, 149, 69-72.	1.2	1
142	Development of X-ray storage phosphor glass-ceramics. <i>Radiation Effects and Defects in Solids</i> , 2002, 157, 895-902.	1.2	1
143	Recombination processes in undoped and rare-earth doped $\text{MAl}_2\text{O}_4$ (M=Ca,Sr) persistent phosphors investigated by optically detected magnetic resonance. <i>Applied Physics Letters</i> , 2007, 90, 051902.	3.3	1
144	Fluorozirconate-based glass-ceramic storage phosphors for digital mammography. , 2007, , .		1

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145	Publisher's Note: Raman spectra of barium halides in orthorhombic and hexagonal symmetry: An initial study [Phys. Rev. B, 83, 024107 (2011)]. Physical Review B, 2011, 83, .	3.2	1
146	Trivalent rare-earth ions as photon down-shifter for photovoltaic applications. Proceedings of SPIE, 2014, , .	0.8	1
147	Rate equation analysis of nanocrystal-enhanced upconversion in neodymium-doped glass ceramics. Proceedings of SPIE, 2014, , .	0.8	1
148	Mössbauer spectroscopy of europium-containing glasses: optical activator study for x-ray image plates. Hyperfine Interactions, 2014, 226, 797-801.	0.5	1
149	Lock-in Thermography for the Development of New Materials. Materials Today: Proceedings, 2017, 4, S128-S134.	1.8	1
150	Excitation power dependence of Eu <sup>3+</sup> photoluminescence in barium borate glass. Journal of Commonwealth Law and Legal Education, 2018, 59, 130-134.	0.5	1
151	Opportunities for Fluorochlorozirconate and Other Glass-Ceramic Detectors in Medical Imaging Devices. Journal of Biomedical Technology and Research, 2015, 02, .	0.2	1
152	Thermal Equivalence Networks for Analysis of Transient Thermographic Data. , 2020, , .		1
153	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
154	Magnetic resonance investigations on oxygen-contaminated BaFBr. Radiation Effects and Defects in Solids, 1999, 149, 73-76.	1.2	0
155	Magnetic resonance investigations of oxygen-related luminescence centres in AlN ceramics. Radiation Effects and Defects in Solids, 2001, 156, 235-239.	1.2	0
156	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
157	Red-shift in the photostimulation of the X-ray storage phosphor RbBr:Ga <sup>+</sup> . Radiation Effects and Defects in Solids, 2001, 154, 337-340.	1.2	0
158	Scintillation processes studied by magnetic resonance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 315-320.	1.6	0
159	Glass Ceramics for High-Resolution Imaging. , 2008, , .		0
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