

V V Laguta

List of Publications by Year in descending order

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35
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149686

56
g-index

210
all docs

210
docs citations

210
times ranked

3444
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR Evidence for the Coexistence of Order-Disorder and Displacive Components in Barium Titanate. Physical Review Letters, 2003, 90, 037601.	7.8	264
2	Complex oxide scintillators: Material defects and scintillation performance. Physica Status Solidi (B): Basic Research, 2008, 245, 1701-1722.	1.5	182
3	Scintillation processes in LuAlO_5 and LuAlO_3 . Physical Review Letters, 2003, 90, 037601.	3.2	168
4	Domains within Domains and Walls within Walls: Evidence for Polar Domains in Cryogenic SrTiO_3 . Physical Review Letters, 2013, 111, 247603.	7.8	145
5	NMR study of disorder in BaTiO_3 and SrTiO_3 . Physical Review B, 2005, 71, .	3.2	135
6	Field Cooled and Zero Field Cooled $\text{Pb}^{207}\text{NMR}$ and the Local Structure of Relaxor $\text{PbMg}_{1/3}\text{Nb}_2/3\text{O}_3$. Physical Review Letters, 2003, 91, 247601.	7.8	122
7	Influence of impurities on the properties of rare-earth-doped barium titanate ceramics. Journal of Materials Chemistry, 2000, 10, 941-947.	6.7	101
8	Order-Disorder Component in the Phase Transition Mechanism of O^{18} Enriched Strontium Titanate. Physical Review Letters, 2005, 94, 147601.	7.8	89
9	Polaronic centres in single crystals. Journal of Physics Condensed Matter, 1998, 10, 7293-7302.	1.8	68
10	Terahertz Emission from Tubular $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ Nanostructures. Nano Letters, 2008, 8, 4404-4409.	9.1	62
11	Scintillator Materials—Achievements, Opportunities, and Puzzles. IEEE Transactions on Nuclear Science, 2008, 55, 1035-1041.	2.0	60
12	Trap centers in molybdates. Optical Materials, 2013, 35, 2465-2472.	3.6	60
13	^{207}Pb NMR study of the relaxor behavior in $\text{PbMg}_{1/3}\text{Nb}_2/3\text{O}_3$. Physical Review B, 2000, 63, .	3.2	58
14	Photoinduced Pb^{2+} center in PbWO_4 : Electron spin resonance and thermally stimulated luminescence study. Physical Review B, 2001, 64, .	3.2	57
15	Room-temperature paramagnetoelectric effect in magnetoelectric multiferroics $\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$ and its solid solution with PbTiO_3 . Journal of Materials Science, 2016, 51, 5330-5342.	3.7	57
16	Effect of Ba and Ti doping on magnetic properties of multiferroic $\text{Pb}(\text{Fe}_{1-x}\text{Ti}_x)\text{O}_3$. Journal of Materials Chemistry, 2010, 20, 1041-1047.	3.2	55
17	Electron spin resonance investigation of Mn^{2+} ions and their dynamics in Mn-doped SrTiO_3 . Physical Review B, 2007, 76, .	3.2	54
18	Hole and electron traps in the YAlO_3 crystal scintillator. Physical Review B, 2009, 80, .	3.2	54

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19	93Nb NMR and Fe ³⁺ EPR study of local magnetic properties of magnetoelectric Pb(Fe _{1/2} Nb _{1/2})O ₃ . Materials Research Bulletin, 2010, 45, 1720-1727.	5.2	54
20	Aluminum and Gallium Substitution in Yttrium and Lutetium Aluminum Gallium Garnets: Investigation by Single-Crystal NMR and TSL Methods. Journal of Physical Chemistry C, 2016, 120, 24400-24408.	3.1	51
21	Electron traps related to oxygen vacancies in PbWO ₄ . Physical Review B, 2003, 67, .	3.2	49
22	Polar nanoclusters in relaxors. Journal of Materials Science, 2006, 41, 27-30.	3.7	48
23	High quantum efficiency YbAG-crystals. Journal of Luminescence, 2007, 125, 238-247.	3.1	48
24	Impurity centers in PbTiO ₃ single crystals: An electron-spin-resonance analysis. Physical Review B, 1996, 54, 12353-12360.	3.2	46
25	Paramagnetic impurity defects in LuAG:Ce thick film scintillators. Radiation Measurements, 2007, 42, 835-838.	1.4	46
26	Superspin glass phase and hierarchy of interactions in multiferroic PbFe _{1/2} Sb _{1/2} O ₃ : an analog of ferroelectric relaxors?. New Journal of Physics, 2014, 16, 113041.	2.9	45
27	Paramagnetic dipole centers in KTaO ₃ : Electron-spin-resonance and dielectric spectroscopy study. Physical Review B, 2000, 61, 3897-3904.	3.2	42
28	Photochromic centers and impurities in nominally pure KTaO ₃ and K _{1-x} Li _x TaO ₃ . Physical Review B, 1995, 52, 7102-7107.	3.2	41
29	Electron spin resonance investigation of oxygen-vacancy-related defects in BaTiO ₃ thin films. Applied Physics Letters, 2005, 87, 022903.	3.3	41
30	Electron capture in PbWO ₄ : Mo and PbWO ₄ :Mo,La single crystals: ESR and TSL study. Physical Review B, 2005, 71, .	3.2	39
31	Hole Self-Trapping in $Y_{1-x}Al_xO_3$ and $Y_{1-x}Al_xO_{3.8}$. Physical Review Applied, 2018, 10, .	3.8	39
32	Optical, Structural and Paramagnetic Properties of Eu-Doped Ternary Sulfides ALnS ₂ (A = Na, K, Rb; Ln =) Tj ETQq0 0.0 rgBT /Overlock 10	2.9	38
33	Luminescence of F ⁺ centers in undoped Lu ₃ Al ₅ O ₁₂ single crystals. Physica Status Solidi (B): Basic Research, 2011, 248, 239-242.	1.5	37
34	The Stable Center: A New Tool to Optimize Ce-Doped Oxide Scintillators. IEEE Transactions on Nuclear Science, 2016, 63, 433-438.	2.0	37
35	Luminescence and scintillation properties of Mg-codoped LuAG:Pr single crystals annealed in air. Journal of Luminescence, 2017, 181, 277-285.	3.1	37
36	Photoinduced (WO ₄) ³⁺ La ³⁺ center in PbWO ₄ : Electron spin resonance and thermally stimulated luminescence study. Physical Review B, 2000, 62, 10109-10115.	3.2	36

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37	Thermoluminescence of Zr-codoped Lu ₃ Al ₅ O ₁₂ :Ce crystals. Physica Status Solidi A, 2003, 195, R1-R3.	1.7	35
38	Trap-center recombination processes by rare earth activators in YAlO_3 crystal host. Physical Review B, 2009, 80, .	3.2	34
39	Eu ²⁺ Stabilization in YAG Structure: Optical and Electron Paramagnetic Resonance Study. Journal of Physical Chemistry C, 2016, 120, 21751-21761. Magnetolectric effect in antiferromagnetic multiferroic	3.1	34

40

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55	Electron spin resonance study of self-trapped holes in CdWO ₄ scintillator crystals. Journal of Applied Physics, 2008, 104, .	2.5	23
56	Luminescent, optical and electronic properties of Na ₂ Mo ₂ O ₇ single crystals. Journal of Luminescence, 2017, 192, 1264-1272.	3.1	23
57	Tunable Eu ²⁺ emission in KxNa ^{1-x} Lu ₂ phosphors for white LED application. Materials and Design, 2016, 106, 363-370.	7.0	22
58	Doping nanoparticles using pulsed laser ablation in a liquid containing the doping agent. Nanoscale Advances, 2019, 1, 3963-3972.	4.6	22
59	Dynamic of Nb ions in PMN diffused phase transition region and its NMR investigation. Ferroelectrics, 1993, 143, 39-47.	0.6	21
60	Physics of Lead Tungstate Scintillators. IEEE Transactions on Nuclear Science, 2008, 55, 1275-1282.	2.0	21
61	Hole capture in PbWO ₄ scintillator crystals. Physical Review B, 2011, 83, .	3.2	21
62	Raman Spectra of PbFe _{0.5} Nb _{0.5} O ₃ Multiferroic Single Crystals and Ceramics. Ferroelectrics, 2012, 438, 107-114.	0.6	21
63	Comparative Studies of Ferroelectric and Magnetic Phase Transitions in Pb(Fe _{1/2} Nb _{1/2})O ₃ -PbMO ₃ (M-Ti). Tj ETQq _{1,1} _{0.6} 0.7843 ₁₄ rgBT ₂₁	0.6	21
64	NMR study of ionic shifts and polar ordering in the relaxor ferroelectric Pb(Sc _{1/2} Nb _{1/2})O ₃ . Physical Review B, 2004, 69, .	3.2	20
65	Dipolar centers in incipient ferroelectrics: Mn and Fe in KTaO ₃ . Physical Review B, 2005, 71, .	3.2	20
66	Atomistic modeling of diffuse scattering in cubic PbZrO ₃ . Phase Transitions, 2015, 88, 273-282.	1.3	20
67	Mechanisms of magnetoelectricity in manganese-doped incipient ferroelectrics. Europhysics Letters, 2010, 92, 17007.	2.0	19
68	Electron spin resonance of paramagnetic defects and related charge carrier traps in complex oxide scintillators. Physica Status Solidi (B): Basic Research, 2013, 250, 254-260.	1.5	19
69	Magnetic susceptibility of multiferroics and chemical ordering. AIP Advances, 2017, 7, .	1.3	19
70	Trapping and Recombination Centers in Cesium Hafnium Chloride Single Crystals: EPR and TSL Study. Journal of Physical Chemistry C, 2019, 123, 19402-19411.	3.1	19
71	Investigation of chromium impurities charge state and chemical bonds in PLZT ceramic. Journal of Physics and Chemistry of Solids, 1995, 56, 919-923.	4.0	18
72	Local configurational instability of in. Journal of Physics Condensed Matter, 1997, 9, 10041-10049.	1.8	18

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73	The doping of PbWO ₄ in shaping its scintillator characteristics. Radiation Measurements, 2001, 33, 705-708.	1.4	18
74	Evidence for impurity-induced polar state in Sr _{1-x} MnxTiO ₃ from density functional calculations. Physical Review B, 2009, 79, .	3.2	18
75	Single-Crystal Scintillation Materials. , 2010, , 1663-1700.		18
76	On the origin of cerium-related centres in lead-containing single crystalline films of Y ₂ SiO ₅ :Ce and Lu ₂ SiO ₅ :Ce. Journal Physics: Applied Physics, 2014, 47, 065303.	3.8	18
77	Recombination luminescence and EPR of Mn doped Li ₂ B ₄ O ₇ single crystals. Optical Materials, 2017, 70, 184-193.	3.6	18
78	The role of defect states in the creation of intrinsic (WO ₄) ³⁻ centers in PbWO ₄ by sub-bandgap excitation. Radiation Measurements, 2001, 33, 533-536.	1.4	17
79	Electron spin resonance investigation of impurity and intrinsic defects in Nb-doped BaTiO ₃ single crystal and ceramics. Journal of Applied Physics, 2005, 97, 073707.	2.5	17
80	Radiation damage processes in complex-oxide scintillators. , 2007, , .		17
81	Paramagnetic impurity defects in LuAG and LuAG: Sc single crystals. Optical Materials, 2007, 30, 79-81.	3.6	17
82	O17 and N93b NMR investigation of magnetoelectric effect in Pb(Fe _{1/2} Nb _{1/2})O ₃ . Journal of Applied Physics, 2008, 104, 084105.	2.5	17
83	Magnetic properties of multiferroic K ₃ Cr ₂ Fe ₃ F ₁₅ . Journal of Applied Physics, 2010, 107, .	2.5	17
84	Can Pr-Doped YAP Scintillator Perform Better?. IEEE Transactions on Nuclear Science, 2010, 57, 1168-1174.	2.0	17
85	Luminescent and scintillation properties of Lu ₃ Al ₅ O ₁₂ :Sc single crystal and single crystalline films. Optical Materials, 2012, 34, 2080-2085.	3.6	17
86	Coherent electric field manipulation of Fe ³⁺ spins in PbTiO ₃ . Science Advances, 2021, 7, .	10.3	17
87	Effect of La Doping on Calcium Tungstate (CaWO ₄) Crystals Radiation Hardness. Physica Status Solidi A, 2000, 178, 799-804.	1.7	16
88	Defect states in Lu ₃ Al ₅ O ₁₂ :Ce crystals. Radiation Effects and Defects in Solids, 2002, 157, 1003-1007.	1.2	16
89	Electron spin resonance study of Mo ³⁺ centers in YAlO ₃ . Radiation Measurements, 2004, 38, 735-738.	1.4	16
90	Luminescence and ESR Study of Irregular Ce ³⁺ Ions in LuAG:Ce Single Crystals. IEEE Transactions on Nuclear Science, 2008, 55, 1156-1159.	2.0	16

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91	Intrinsic trapping and recombination centers in CdWO_4 using thermally stimulated luminescence. <i>Physical Review B</i> , 2009, 80, .	3.2	15
92	Stabilization of Eu^{2+} in KLuS_2 crystalline host: an EPR and optical study. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 08, 801-804.	2.4	15
93	Electron self-trapped at molybdenum complex in lead molybdate: An EPR and TSL comparative study. <i>Journal of Luminescence</i> , 2017, 192, 767-774.	3.1	15
94	Charge trapping processes and energy transfer studied in lead molybdate by EPR and TSL. <i>Journal of Luminescence</i> , 2019, 205, 457-466.	3.1	15
95	NMR investigation of crystals with diffused phase transitions. <i>Ferroelectrics</i> , 1991, 124, 255-260.	0.6	14
96	Nuclear magnetic resonance study of the relaxor ferroelectric $\text{Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3$. <i>Journal of Applied Physics</i> , 2001, 89, 1349-1354.	2.5	14
97	The photoinduced Ti^{3+} centre in SrTiO_3 . <i>Journal of Physics Condensed Matter</i> , 2002, 14, 13813-13825.	1.8	14
98	^{87}Sr NMR of phase transitions in $\text{SrTi}_6\text{O}_{13}$ and $\text{SrTi}_8\text{O}_{13}$. <i>Physical Review B</i> , 2005, 72, .	3.2	14
99	Photothermally stimulated creation of electron and hole centers in Ce^{3+} -doped Y_2SiO_5 single crystals. <i>Optical Materials</i> , 2014, 36, 1636-1641.	3.6	14
100	Study of the defects in $\text{La}_3\text{Ta}_{0.5}\text{Ga}_{5.5}\text{O}_{14}$ single crystals. <i>Journal of Luminescence</i> , 2016, 180, 95-102.	3.1	14
101	Influence of gallium content on Ga^{3+} position and photo- and thermally stimulated luminescence in Ce^{3+} -doped multicomponent $(\text{Y},\text{Lu})_3\text{Ga}_x\text{Al}_{5-x}\text{O}_{12}$ garnets. <i>Journal of Luminescence</i> , 2018, 200, 141-150.	3.1	14
102	Gallium preference for the occupation of tetrahedral sites in $\text{Lu}_3(\text{Al}_{5-x}\text{Ga}_x)\text{O}_{12}$ multicomponent garnet scintillators according to solid-state nuclear magnetic resonance and density functional theory calculations. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 126, 93-104.	4.0	14
103	Impurities in nominally pure KTaO_3 : evidence from electron spin resonance. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 2605-2614.	1.8	13
104	ESR study of impurities in strontium titanate films. <i>Physics of the Solid State</i> , 2001, 43, 841-844.	0.6	13
105	Luminescence and decay of excitons in lead tungstate crystals. <i>Radiation Measurements</i> , 2007, 42, 515-520.	1.4	13
106	Electron paramagnetic resonance and Mössbauer study of antiferromagnetic $\text{K}_3\text{Cu}_3\text{Fe}_2\text{F}_{15}$. <i>Journal of Applied Physics</i> , 2009, 106, 023924.	2.5	13
107	EPR spectra of $\text{MoS}_2/\text{C}_{60}$. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 3033-3034.	1.5	13
108	Lieb-Mattis ferrimagnetic superstructure and superparamagnetism in Fe-based double perovskite multiferroics. <i>Physical Review B</i> , 2014, 90, .	3.2	13

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109	LPE growth and study of the Ce ³⁺ incorporation in LuAlO ₃ :Ce single crystalline film scintillators. CrystEngComm, 2019, 21, 3313-3321.	2.6	13
110	Specific absorption in Y ₃ Al ₅ O ₁₂ :Eu ceramics and the role of stable Eu ²⁺ in energy transfer processes. Journal of Materials Chemistry C, 2020, 8, 8823-8839.	5.5	13
111	Nb ⁹³ NMR study of disorder in KTa _{1-x} Nb _x O ₃ . Physical Review B, 2005, 71, .	3.2	12
112	¹⁷ O quadrupole coupling and the origin of ferroelectricity in isotopically enriched BaTiO ₃ and SrTiO ₃ . Journal of Physics Condensed Matter, 2008, 20, 085204.	1.8	12
113	Luminescence and ESR characteristics of ¹³⁷ Ir-irradiated Lu ₃ Al ₅ O ₁₂ :Ce single crystalline film scintillators. Radiation Measurements, 2010, 45, 419-421.	1.4	12
114	Luminescence and creation of electron centers in UV-irradiated YAlO ₃ single crystals. Journal of Applied Physics, 2010, 108, .	2.5	12
115	Electron and hole trapping in Eu- or Eu,Hf-doped LuPO ₄ and YPO ₄ tracked by EPR and TSL spectroscopy. Journal of Materials Chemistry C, 2019, 7, 11473-11482.	5.5	12
116	Chemical disorder and Pb ²⁰⁷ hyperfine fields in the magnetoelectric multiferroic Pb(Fe _{1/2} Sb _{1/2})O ₃ and its solid solution with Pb(Fe _{1/2} Nb _{1/2})O ₃ . Physical Review Materials, 2018, 2, .	2.4	12
117	ESR and optical spectroscopy of copper-doped PLZT electro-optic ceramics. Applied Physics A: Materials Science and Processing, 1998, 66, 555-559.	2.3	11
118	Transversal spin freezing and re-entrant spin glass phases in chemically disordered Fe-containing perovskite multiferroics. Physical Chemistry Chemical Physics, 2016, 18, 7229-7234.	2.8	11
119	On the luminescence origin in Y ₂ SiO ₅ :Ce and Lu ₂ SiO ₅ :Ce single crystals. Optical Materials, 2020, 103, 109832.	3.6	11
120	Luminescence and photo-thermally stimulated defects creation processes in PbWO ₄ crystals doped with trivalent rare-earth ions. Journal of Luminescence, 2013, 136, 42-50.	3.1	10
121	Investigation of ion displacements and dynamics in crystal with diffused phase transitions by the method of NMR. Ferroelectrics, 1994, 156, 273-278.	0.6	9
122	ESR investigations of nominally pure KTaO ₃ . Chemical Physics Letters, 1995, 232, 232-236.	2.6	9
123	Tunneling recombination luminescence under excitation of PbWO ₄ :Mo crystals in the defect-related absorption region. Journal of Luminescence, 2009, 129, 767-772.	3.1	9
124	Lead vacancy-related hole centers in lead tungstate crystals. Physica Status Solidi (B): Basic Research, 2012, 249, 2161-2166.	1.5	9
125	Electron paramagnetic resonance study of the Ce ³⁺ pair centers in YAlO ₃ :Ce scintillator crystals. Physical Review B, 2015, 92, .	3.2	9
126	Electron paramagnetic resonance study of exchange coupled Ce ³⁺ ions in Lu ₂ SiO ₅ single crystal scintillator. Radiation Measurements, 2016, 90, 23-26.	1.4	9

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127	EPR study of Ce ³⁺ luminescent centers in the Y ₂ SiO ₅ single crystalline films. Optical Materials, 2017, 72, 833-837.	3.6	9
128	Vanadium in yttrium aluminum garnet: Charge states and localization in the lattice. Optical Materials, 2019, 91, 228-234.	3.6	9
129	Impurity and Intrinsic Defects in Barium Titanate Ceramics and Their Influence on PTCR Effect. Ferroelectrics, 2003, 288, 243-251.	0.6	8
130	The Vogel-Fulcher law as a criterion for identifying a mixed ferroelectric-glass phase in potassium tantalate doped with lithium. Physics of the Solid State, 2004, 46, 1262-1269.	0.6	8
131	Unusual ferroelectric and magnetic phases in multiferroic $\text{Ca}_2\text{Hf}_2\text{O}_7$ ceramics. Physical Review B, 2017, 95, .	3.1	8
132	Luminescence and charge trapping features of archPbMoO ₄ lead molybdate crystals grown from archaeological lead. Journal of Luminescence, 2020, 224, 117305.	3.1	8
133	Magnetoelectric coupling in multiferroic Z-type hexaferrite revealed by electric-field-modulated magnetic resonance studies. Journal of Materials Science, 2020, 55, 7624-7633.	3.7	8
134	Effect of Li ⁺ co-doping on the luminescence and defects creation processes in Gd ₃ (Ga,Al)5O ₁₂ :Ce scintillation crystals. Journal of Luminescence, 2022, 242, 118548.	3.1	8
135	Local structure of the rhombic Fe ³⁺ center in KTaO ₃ . Physics of the Solid State, 1998, 40, 1989-1993.	0.6	7
136	Impurity centers in a barium titanate ceramic doped with rare-earth ions. Physics of the Solid State, 1999, 41, 1688-1692.	0.6	7
137	Anomalies of Dielectric Response in Mixed Ferro-Glass Phase of Potassium Tantalate Doped by Lithium. Ferroelectrics, 2004, 298, 171-182.	0.6	7
138	Localized excitons and their decay into electron and hole centres in PbWO ₄ single crystals grown by the Bridgman method. Journal of Physics Condensed Matter, 2007, 19, 306202.	1.8	7
139	Investigation of ferroelectric nanopowders by EPR method. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1297-1300.	0.8	7
140	New Composites Based on Liquid Crystalline Elastomers and Electroactive Nanomaterials. Advances in Science and Technology, 0, .	0.2	7
141	$\text{Ca}_2\text{Hf}_2\text{O}_7$ ceramics. Physical Review B, 2017, 95, .	3.2	7
142	ESR and TSL study of hole capture in PbWO ₄ :Mo,La and PbWO ₄ :Mg,Y scintillator crystals. Journal Physics D: Applied Physics, 2013, 46, 075302.	2.8	7
143	Crystal field and magnetism with Wannier functions: rare-earth doped aluminum garnets. Journal of Rare Earths, 2015, 33, 1316-1323.	4.8	7
144	Energy transfer to luminescent impurity by thermally quenching excitons in CdWO ₄ :Sm. Journal of Luminescence, 2020, 228, 117609.	3.1	7

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145	Electron and hole trapping in Li ₂ MoO ₄ cryogenic scintillator. <i>Optical Materials</i> , 2021, 114, 110971.	3.6	7
146	Untangling the controversy on Ce ³⁺ luminescence in LaAlO ₃ crystals. <i>Materials Advances</i> , 2022, 3, 3500-3512.	5.4	7
147	Structure of lead zirconium oxide: Evidence from NMR. <i>EPJ Applied Physics</i> , 1999, 7, 13-17.	0.7	6
148	Local structure and electron spin resonance of copper-doped SrTiO ₃ ceramics. <i>Journal of Materials Science</i> , 2013, 48, 4016-4022.	3.7	6
149	Electron and hole traps in X-ray irradiated Y ₂ SiO ₅ and Lu ₂ SiO ₅ crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 741-747.	1.5	6
150	Rare-earth ions incorporation into Lu ₂ Si ₂ O ₇ scintillator crystals: Electron paramagnetic resonance and luminescence study. <i>Optical Materials</i> , 2020, 106, 109930.	3.6	6
151	Chromium impurities in incipient ferroelectric KTaO ₃ . <i>Solid State Communications</i> , 1996, 98, 1003-1007.	1.9	5
152	Defects in Perovskites Induced by Illumination. , 2000, , 367-378.		5
153	Redox processes at grain boundaries in barium titanate-based polycrystalline ferroelectrics semiconductors. <i>Journal of Materials Science</i> , 2008, 43, 3320-3326.	3.7	5
154	Ferromagnetic and paramagnetic magnetization of implanted GaN:Ho,Tb,Sm,Tm films. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	5
155	Room-temperature ferroelectricity, superparamagnetism and large magnetoelectricity of solid solution PbFe _{1/2} Ta _{1/2} O ₃ with (PbMg _{1/3} Nb _{2/3} O ₃) _{0.7} (PbTiO ₃) _{0.3} . <i>Journal of Materials Science</i> , 2020, 55, 1399-1413.	3.7	5
156	Electron Paramagnetic Resonance Study of Lu ₂ Si ₂ O ₇ :Ce ³⁺ and Y ₂ Si ₂ O ₇ :Ce ³⁺ Scintillators Doped by Cerium. <i>Advanced Science, Engineering and Medicine</i> , 2013, 5, 573-576.	0.3	5
157	Local-structure model of rhombic-symmetry Fe ³⁺ centre in KTaO ₃ . <i>Solid State Communications</i> , 1999, 110, 173-178.	1.9	4
158	Light-induced intrinsic defects in PLZT ceramics. <i>Physics of the Solid State</i> , 2000, 42, 2258-2264.	0.6	4
159	⁹³ Nb NMR Investigation of the Relaxor Ferroelectric PbMg _{1/3} Nb _{2/3} O ₃ . <i>Physica Status Solidi (B): Basic Research</i> , 2001, 228, 757-763.	1.5	4
160	Origin of TSL peaks located at 200-250K in UV-irradiated crystals. <i>Radiation Measurements</i> , 2007, 42, 807-810.	1.4	4
161	³⁹ K NMR and EPR study of multiferroic K ₃ Fe ₅ F ₁₅ . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 045902.	1.8	4
162	Infrared and ESR spectroscopy of KTaO ₃ : Er. <i>Physics of the Solid State</i> , 2012, 54, 972-974.	0.6	4

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163	Size effects in a relaxor: further insights into PMN. Journal of Physics Condensed Matter, 2014, 26, 272201.	1.8	4
164	Crystal structure transformations induced by surface stresses in BaTiO ₃ and BaTiO ₃ @SiO ₂ nanoparticles and ceramics. Phase Transitions, 2015, 88, 761-775.	1.3	4
165	Structural, dielectric and magnetic studies of (0 \leq x \leq 1) type multiferroic (1 \times 1 \times 1) BaTi _{0.8} Sn _{0.2} O ₃ -(x)La _{0.5} Ca _{0.5} MnO ₃ (0 \leq x \leq 1) composite ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 19343-19354.	1.2	4
166	Electron and Hole Trapping in Ce ³⁺ - and Pr ³⁺ -Doped Lutetium Pyrosilicate Scintillator Crystals Studied by Electron Paramagnetic Resonance. Physical Review Applied, 2020, 13, .	3.8	4
167	Effect of W and Mo co-doping on the photo- and thermally stimulated luminescence and defects creation processes in Gd ₃ (Ga,Al)O ₁₂ :Ce crystals. Optical Materials, 2021, 114, 110923.	3.6	4
168	Incorporation of the Ce ³⁺ activator ions in LaAlO ₃ crystals: EPR and NMR study. Journal of Solid State Chemistry, 2022, 313, 123295.	2.9	4
169	NMR investigation of mixed relaxors xPMN-(1-x)PSN. Ferroelectrics, 1997, 199, 173-185.	0.6	3
170	ESR investigation of ferroelectric films. Integrated Ferroelectrics, 2001, 32, 159-167.	0.7	3
171	ESR of Y and Pb-doped BaTiO ₃ ceramics with positive temperature coefficient of resistivity. Ferroelectrics, 2001, 254, 383-391.	0.6	3
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