

Nurdoğan Can

List of Publications by Year in descending order

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118
papers

1,863
citations

257450

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all docs

120
docs citations

120
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoluminescence glow curve analysis and kinetic parameters of Dy-doped BaSi ₂ O ₅ phosphor. Journal of Rare Earths, 2022, 40, 234-242.	4.8	5
2	Synthesis and enhanced photoluminescence of the BaSiF ₆ :Dy ³⁺ phosphors by Li+ doping via combustion method. Journal of Luminescence, 2022, 241, 118512.	3.1	4
3	Synthesis and beta particle excited thermoluminescence of BaSiF ₆ phosphor. Applied Radiation and Isotopes, 2022, 181, 110075.	1.5	2
4	Thermal quenching and evaluation of trapping parameters of thermoluminescence glow-peaks of beta irradiated NaBaBO ₃ : Tb ³⁺ for TLD applications. Journal of Luminescence, 2022, 244, 118731.	3.1	9
5	Thermoluminescence glow curve analysis and kinetic parameters of Eu doped Li ₂ MoO ₄ ceramic phosphors. Ceramics International, 2022, 48, 19258-19265.	4.8	12
6	Thermoluminescence characteristics of a novel Li ₂ MoO ₄ phosphor: Heating rate, dose response and kinetic parameters. Radiation Physics and Chemistry, 2022, 194, 110025.	2.8	10
7	Anomalous heating rate dependence and analyses of thermoluminescence glow curves in Gd doped ZnB ₂ O ₄ phosphors. Journal of Luminescence, 2022, 246, 118838.	3.1	14
8	Structural and analyses of thermoluminescence glow curves in Sm doped SrGd ₂ O ₄ phosphor. Journal of Alloys and Compounds, 2022, 911, 165008.	5.5	7
9	Novel Dy incorporated Ca ₃ Y ₂ B ₄ O ₁₂ phosphor: Insights into the structure, broadband emission, photoluminescence and cathodoluminescence characteristics. Applied Radiation and Isotopes, 2022, 185, 110257.	1.5	8
10	Kinetic parameters and anomalies in heating rate effects of the thermoluminescence from rock salt from Tuzluca in Turkey. Nuclear Instruments & Methods in Physics Research B, 2022, 523, 8-15.	1.4	2
11	Thermoluminescence glow curve analysis of Ca ₃ Y ₂ B ₄ O ₁₂ phosphor prepared using combustion method. Applied Radiation and Isotopes, 2022, 186, 110299.	1.5	5
12	Thermoluminescence characterization and kinetic parameters of Dy ³⁺ activated Ca ₃ Y ₂ B ₄ O ₁₂ . Nuclear Instruments & Methods in Physics Research B, 2022, 525, 34-40.	1.4	5
13	Synthesis and thermoluminescence study of Eu doped novel LaBO ₃ phosphor: Heating rate, dose response, trapping parameters. Radiation Physics and Chemistry, 2022, 201, 110412.	2.8	9
14	Novel Dy and Sm activated BaSi ₂ O ₅ phosphors: Insights into the structure, intrinsic and extrinsic luminescence, and influence of doping concentration. Journal of Luminescence, 2021, 230, 117718.	3.1	30
15	Structural and luminescence characterization of Ce ³⁺ and Mn ²⁺ co-activated zinc silicate nanocrystal obtained by gel combustion synthesis. Materials Research Bulletin, 2021, 133, 111025.	5.2	11
16	Thermoluminescence glow curve analysis and evaluation of trapping parameters of dysprosium doped lanthanum calcium borate La ₂ CaB ₁₀ O ₁₉ . Nuclear Instruments & Methods in Physics Research B, 2021, 489, 58-68.	1.4	9
17	Thermoluminescence of Ce and Nd co-doped CaF ₂ phosphors after beta irradiation. Journal of Luminescence, 2021, 234, 117949.	3.1	19
18	Characterization of thermoluminescence kinetic parameters of beta irradiated B doped Ca ₅ (PO ₄) ₃ OH powder obtained from eggshell. Applied Radiation and Isotopes, 2021, 173, 109738.	1.5	3

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19	Synthesis and photoluminescence characteristics of a novel Eu and Tb doped Li ₂ MoO ₄ phosphor. Applied Radiation and Isotopes, 2021, 175, 109820.	1.5	12
20	Thermoluminescence study and trapping parameters of beta irradiated NaBaBO ₃ :Gd ³⁺ phosphor. Journal of Luminescence, 2021, 238, 118245.	3.1	11
21	Adsorption of thorium (IV) ions by metal ion doped ZnO nanomaterial prepared with combustion synthesis: Empirical modelling and process optimization by response surface methodology (RSM). Applied Radiation and Isotopes, 2021, 178, 109955.	1.5	16
22	Thermoluminescence study and evaluation of trapping parameters of samarium doped barium silicate phosphor. Journal of Asian Ceramic Societies, 2021, 9, 291-303.	2.3	12
23	A study on thermoluminescence behaviour of Eu doped LaB ₃ O ₆ irradiated with beta particles. Radiation Physics and Chemistry, 2020, 168, 108571.	2.8	23
24	Eu ³⁺ and Dy ³⁺ doped La ₂ MoO ₆ and La ₂ Mo ₂ O ₉ phosphors: Synthesis and luminescence properties. Materials Research Bulletin, 2020, 123, 110723.	5.2	23
25	Influence of laser excitation power on temperature-dependent luminescence behaviour of Ce- and Tb-incorporated BaMgAl ₁₀ O ₁₇ phosphors. Radiation Physics and Chemistry, 2020, 168, 108617.	2.8	17
26	Cathodoluminescence properties of La ₂ MoO ₆ :Ln ³⁺ (Ln: Eu, Dy, and Sm) phosphors. Applied Radiation and Isotopes, 2020, 166, 109434.	1.5	16
27	Cathodoluminescence and photoluminescence properties of Dy doped La ₂ CaB ₁₀ O ₁₉ phosphor. Optical Materials, 2020, 110, 110531.	3.6	10
28	Thermoluminescence glow curves of beta irradiated NaBaBO ₃ : Ce ³⁺ phosphor synthesized by combustion method. Sensors and Actuators A: Physical, 2020, 315, 112299.	4.1	12
29	Synthesis and competitive luminescence quenching mechanism of Ca ₃ Al ₂ O ₆ :Ln ³⁺ (Ln: Dy and Sm) phosphors. Materials Research Bulletin, 2020, 132, 111010.	5.2	30
30	Thermoluminescence properties of beta particle irradiated Ca ₃ Al ₂ O ₆ phosphor relative to environmental dosimetry. Journal of Luminescence, 2020, 227, 117565.	3.1	16
31	Enhancing the blue luminescence behaviour of the Li co-doped novel phosphor ZnB ₂ O ₄ : Tm ³⁺ . Journal of Alloys and Compounds, 2020, 838, 155587.	5.5	14
32	Synthesis and photoluminescence characteristics of Dy incorporated MoO ₃ phosphor: Suppression concentration quenching. Applied Radiation and Isotopes, 2020, 164, 109321.	1.5	10
33	Comprehensive study of photoluminescence and cathodoluminescence of Eu and Tb doped Mg ₂ SiO ₄ prepared via a solid-state reaction technique. Optical Materials, 2020, 100, 109698.	3.6	3
34	Thermoluminescence behaviour of europium doped magnesium silicate after beta exposure. Optical Materials, 2020, 104, 109852.	3.6	8
35	Thermoluminescence properties of Tb doped Mg ₂ SiO ₄ after beta irradiation. Nuclear Instruments & Methods in Physics Research B, 2019, 458, 12-20.	1.4	14
36	Structural and spectroscopic properties of LaAlBO ₃ doped with Eu ³⁺ ions. Applied Radiation and Isotopes, 2019, 154, 108876.	1.5	12

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37	Luminescence characteristics of Al-and Ca-doped BeO obtained via a sol-gel method. Journal of Physics and Chemistry of Solids, 2019, 131, 230-242.	4.0	15
38	Comparative studies on thermoluminescence characteristics of non-doped Mg ₂ SiO ₄ prepared via a solid-state reaction technique and wet-chemical method: An unusual heating rate dependence. Journal of Alloys and Compounds, 2019, 795, 261-268.	5.5	14
39	Thermoluminescence analysis of beta irradiated ZnB ₂ O ₄ : Pr ³⁺ phosphors synthesized by a wet-chemical method. Radiation Physics and Chemistry, 2019, 160, 105-111.	2.8	29
40	Thermoluminescence spectra of Tm doped ZnB ₂ O ₄ phosphor prepared via a wet-chemical synthesis. Applied Radiation and Isotopes, 2019, 147, 177-181.	1.5	16
41	Characterization and thermoluminescence behavior of beta irradiated NaBaBO ₃ phosphor synthesized by combustion method. Ceramics International, 2019, 45, 7011-7017.	4.8	17
42	Cathodoluminescence and thermoluminescence of ZnB ₂ O ₄ :Eu ³⁺ phosphors prepared via wet-chemical synthesis. Ceramics International, 2019, 45, 4918-4925.	4.8	27
43	Preparation and cathodoluminescence characteristics of rare earth activated BaAl ₂ O ₄ phosphors. Applied Radiation and Isotopes, 2018, 139, 34-39.	1.5	12
44	Thermoluminescence dose and heating rate dependence and kinetic analysis of ZnB ₂ O ₄ :0.05Dy ³⁺ phosphor. Nuclear Instruments & Methods in Physics Research B, 2018, 416, 50-54.	1.4	20
45	Doping Sm ³⁺ into ZnB ₂ O ₄ phosphors and their structural and cathodoluminescence properties. Journal of Alloys and Compounds, 2018, 748, 245-251.	5.5	36
46	Preparation and photoluminescence properties of aluminate phosphors produced by combustion synthesis. Applied Radiation and Isotopes, 2018, 142, 46-50.	1.5	12
47	Thermoluminescence behavior of Sm ³⁺ activated ZnB ₂ O ₄ phosphors synthesized using low temperature chemical synthesis method. Nuclear Instruments & Methods in Physics Research B, 2018, 428, 65-71.	1.4	19
48	Cathodoluminescence spectra recorded from surfaces of solids with hydrous molecules. Journal of Electron Spectroscopy and Related Phenomena, 2018, 227, 1-8.	1.7	27
49	Characterization and some fundamental features of Optically Stimulated Luminescence measurements of silver activated lithium tetraborate. Journal of Luminescence, 2018, 202, 136-146.	3.1	16
50	Green approach to synthesis and strain studies of ZnO nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	1
51	Anomalous heating rate response of beta irradiated Sm ³⁺ and Tb ³⁺ doped BaAl ₂ O ₄ phosphors. Journal of Alloys and Compounds, 2018, 764, 523-529.	5.5	18
52	Preparation and characterization of Yttrium based luminescence phosphors. Optical Materials, 2017, 74, 150-158.	3.6	6
53	Luminescence studies of zinc borates activated with different concentrations of Ce and La under x-ray and electron excitation. Applied Radiation and Isotopes, 2017, 127, 35-40.	1.5	21
54	Luminescence characteristics of Dy ³⁺ incorporated zinc borate powders. Journal of Luminescence, 2017, 188, 409-417.	3.1	19

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55	Thermoluminescence characterization of Ag-doped $\text{Li}_2\text{B}_4\text{O}_7$ single crystal materials. <i>Luminescence</i> , 2017, 32, 786-790.	2.9	5
56	The role of calcination temperature on structural and luminescence behaviour of novel apatite-based $\text{Ca}_2\text{Y}_8(\text{SiO}_4)_6\text{O}_2:\text{Ce}^{3+},\text{Tb}^{3+}$ phosphors. <i>Applied Radiation and Isotopes</i> , 2017, 130, 188-197.	1.5	9
57	Synthesis and influence of ultrasonic treatment on luminescence of Mn incorporated ZnS nanoparticles. <i>Optical Materials</i> , 2017, 72, 533-539.	3.6	13
58	Large scale ZnTe nanostructures on polymer micro patterns via capillary force photolithography. <i>AIP Conference Proceedings</i> , 2016, . .	0.4	1
59	Thermoluminescence studies of Nd doped $\text{Bi}_4\text{Ge}_3\text{O}_{12}$ crystals irradiated by UV and beta sources. <i>Applied Radiation and Isotopes</i> , 2016, 113, 18-21.	1.5	8
60	Study of luminescence of Mn-doped CaB_4O_7 prepared by wet chemical method. <i>Journal of Alloys and Compounds</i> , 2016, 683, 76-85.	5.5	17
61	Broadband luminescence of Cu nanoparticles fabricated in SiO_2 by ion implantation. <i>Applied Radiation and Isotopes</i> , 2016, 115, 109-112.	1.5	2
62	Optical spectroscopy of the Ce-doped multicomponent garnets. <i>Applied Radiation and Isotopes</i> , 2016, 114, 114-120.	1.5	6
63	Structural and luminescence effects of Ga co-doping on Ce-doped yttrium aluminate based phosphors. <i>Journal of Alloys and Compounds</i> , 2016, 666, 447-453.	5.5	16
64	Experimental and numerical optical characterization of plasmonic copper nanoparticles embedded in ZnO fabricated by ion implantation and annealing. <i>Journal of Alloys and Compounds</i> , 2016, 669, 246-253.	5.5	9
65	Visible to infrared low temperature photoluminescence of rare earth doped bismuth germanate crystals. <i>Applied Radiation and Isotopes</i> , 2016, 111, 86-91.	1.5	4
66	Tunable luminescence of broadband-excited and narrow line green emitting $\text{Y}_2\text{SiO}_5:\text{Ce}^{3+},\text{Tb}^{3+}$ phosphor. <i>Journal of Alloys and Compounds</i> , 2016, 658, 356-366.	5.5	38
67	Visible to infrared low temperature luminescence of $\text{Er}^{3+},\text{Nd}^{3+}$ and Sm^{3+} in CaSnO_3 phosphors. <i>Applied Radiation and Isotopes</i> , 2015, 99, 69-76.	1.5	22
68	Characterisation and luminescence studies of Tm and Na doped magnesium borate phosphors. <i>Applied Radiation and Isotopes</i> , 2015, 103, 93-99.	1.5	14
69	Cathodoluminescence and Raman characteristics of $\text{CaSO}_4:\text{Tm}^{3+}$, Cu phosphor. <i>Journal of Luminescence</i> , 2015, 161, 358-362.	3.1	4
70	Catholuminescence properties of rare earth doped CaSnO_3 phosphor. <i>Applied Radiation and Isotopes</i> , 2015, 99, 138-145.	1.5	24
71	Enhancement of the luminescence intensity by co-doping Mn^{2+} into Er^{3+} -doped SrAl_2O_4 . <i>Journal of Luminescence</i> , 2015, 163, 17-20.	3.1	13
72	Thermally stimulated luminescence glow curve structure of $\text{CaB}_4\text{O}_7:\text{Dy}$ irradiated by e^- . <i>Luminescence</i> , 2015, 30, 830-834.	2.9	15

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73	Studies on luminescence from a cerium-doped strontium stannate phosphor. <i>Luminescence</i> , 2015, 30, 457-464.	2.9	9
74	Synthesis and Luminescence Properties of Trivalent Rare-Earth Element-Doped Calcium Stannate Phosphors. <i>Spectroscopy Letters</i> , 2014, 47, 630-641.	1.0	30
75	Luminescent, Structural, and Thermal Properties of the Unusual "Anatolian" Diaspore (Zultanite) from Turkey. <i>Spectroscopy Letters</i> , 2014, 47, 292-300.	1.0	3
76	Radioluminescence and photoluminescence characterization of Eu and Tb doped barium stannate phosphor ceramics. <i>Journal of Alloys and Compounds</i> , 2014, 590, 417-423.	5.5	34
77	Solid state synthesis, characterization and optical properties of Tb doped SrSnO ₃ phosphor. <i>Journal of Alloys and Compounds</i> , 2013, 581, 101-108.	5.5	33
78	Solid state synthesis of SrAl ₂ O ₄ :Mn ²⁺ co-doped with Nd ³⁺ phosphor and its optical properties. <i>Journal of Luminescence</i> , 2013, 144, 128-132.	3.1	31
79	Rare Earth Photoluminescence in Bismuth-Germanate Crystals. <i>Spectroscopy Letters</i> , 2013, 46, 590-596.	1.0	5
80	Cathodoluminescence Response From Sanidine Feldspar. <i>Spectroscopy Letters</i> , 2013, 46, 620-626.	1.0	0
81	Luminescence behaviour of beryl (aquamarine variety) from Turkey. <i>Journal of Luminescence</i> , 2012, 132, 2599-2602.	3.1	6
82	Luminescence characterization of cerium doped yttrium gadolinium aluminate phosphors. <i>Optical Materials</i> , 2012, 34, 1921-1925.	3.6	26
83	Radioluminescence study of rare earth doped some yttrium based phosphors. <i>Optical Materials</i> , 2012, 34, 1958-1961.	3.6	10
84	Absorption and photoluminescence spectroscopy of Er ³⁺ -doped SrAl ₂ O ₄ ceramic phosphors. <i>Philosophical Magazine Letters</i> , 2012, 92, 194-201.	1.2	7
85	Photoluminescence investigations of Li ₂ SiO ₃ :Ln (Ln=Er ³⁺ , Eu ³⁺ , Dy ³⁺ , Sm ³⁺) phosphors. <i>Journal of Luminescence</i> , 2012, 132, 1597-1602.	3.1	30
86	Luminescence and micro-Raman investigations on inclusions of unusual habit in chrysoprase from Turkey. <i>Journal of Luminescence</i> , 2012, 132, 1750-1758.	3.1	12
87	Measurements of Environmental Pollution in Industrial Area Using Magnetic Susceptibility Method. <i>Acta Physica Polonica A</i> , 2012, 121, 20-22.	0.5	4
88	Correlations between low temperature thermoluminescence and oxygen vacancies in ZnO crystals. <i>Journal of Applied Physics</i> , 2011, 109, 053508.	2.5	15
89	Indications of bulk property changes from surface ion implantation. <i>Philosophical Magazine</i> , 2011, 91, 250-262.	1.6	5
90	Spectral, electron microscopic and chemical investigations of gamma-induced purple color zonings in amethyst crystals from the Dursunbey-Balıkesir region of Turkey. <i>Radiation Effects and Defects in Solids</i> , 2011, 166, 537-548.	1.2	5

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91	Radioluminescence of SrAl ₂ O ₄ :Ln ³⁺ (Ln=Eu, Sm, Dy) phosphor ceramic. Optical Materials, 2011, 34, 138-142.	3.6	79
92	Luminescence behavior and Raman characterization of jade from Turkey. Applied Radiation and Isotopes, 2011, 69, 1299-1306.	1.5	19
93	Luminescence study of some yttrium tantalate-based phosphors. Journal of Luminescence, 2011, 131, 1052-1057.	3.1	45
94	Influence of Li dopants on thermoluminescence spectra of CaSO ₄ doped with Dy or Tm. Journal of Luminescence, 2011, 131, 1864-1868.	3.1	11
95	Synthesis and optical properties of Er ³⁺ and Eu ³⁺ doped SrAl ₂ O ₄ phosphor ceramic. Journal of Luminescence, 2011, 131, 2432-2439.	3.1	75
96	Luminescence behaviour and Raman characterization of dendritic agate in the Dereyalak village (Eskişehir), Turkey. Journal of Luminescence, 2011, 131, 2317-2324.	3.1	13
97	Radioluminescence and thermoluminescence of albite at low temperature. Radiation Measurements, 2011, 46, 655-663.	1.4	6
98	Luminescence Behavior and Raman Characterization of Rhodonite from Turkey. Spectroscopy Letters, 2011, 44, 566-569.	1.0	3
99	Thermal Effect on the Cathodo- and Thermoluminescence Emission of Natural Topaz (Al ₂ SiO ₄ (F,OH) ₂). Spectroscopy Letters, 2011, 44, 486-489.	1.0	10
100	Absorption and cathodoluminescence properties of Cu implanted SrTiO ₃ . Physica B: Condensed Matter, 2010, 405, 888-890.	2.7	3
101	Effects of heating on fire opal and diaspore from Turkey. Physica B: Condensed Matter, 2010, 405, 1729-1736.	2.7	11
102	Third-order optical nonlinearities of Cu and Tb nanoparticles in SrTiO ₃ . Physica B: Condensed Matter, 2010, 405, 2323-2325.	2.7	13
103	Thermal properties of gem-quality moganite-rich blue chalcedony. Physica B: Condensed Matter, 2010, 405, 4627-4633.	2.7	10
104	Amethyst and morion quartz gemstone raw materials from Turkey: color saturation and enhancement by gamma, neutron and beta irradiation. Radiation Effects and Defects in Solids, 2010, 165, 876-888.	1.2	2
105	Room and low temperature luminescence properties of $\text{SrAl}_2\text{O}_4:\text{Er}^{3+}$. Journal of Luminescence, 2008, 128, 403-412.	1.2	7
106	On the spectra luminescence properties of charoite silicate. Journal of Luminescence, 2008, 128, 403-412.	1.2	3
107	On the spectra luminescence properties of charoite silicate. Journal of Luminescence, 2008, 128, 403-412.	3.1	8
108	Effect of heating rate on kinetic parameters of $\hat{\gamma}$ -irradiated Li ₂ B ₄ O ₇ :Cu,Ag,P in TSL measurements. Measurement Science and Technology, 2007, 18, 889-892.	2.6	30

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109	Determination of thermoluminescence kinetic parameters of. Radiation Measurements, 2007, 42, 1280-1284.	1.4	24
110	Luminescent, optical and color properties of natural rose quartz. Radiation Measurements, 2007, 42, 1610-1617.	1.4	23
111	Orientation dependence of the ion beam and cathodoluminescence of albite. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 910-913.	0.8	8
112	Optical properties of Cu implanted ZnO. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 474-477.	1.4	40
113	Optical properties and luminescence of metallic nanoclusters in ZnO:Cu. Physica B: Condensed Matter, 2005, 363, 88-95.	2.7	57
114	Luminescence as a probe of phase changes in transition metal complexes. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 669-672.	0.8	1
115	Nonlinear optical absorption of ZnO doped with copper nanoparticles in the picosecond and nanosecond pulse laser field. Applied Optics, 2005, 44, 2839.	2.1	42
116	Application of ion implantation for synthesis of copper nanoparticles in a zinc oxide matrix for obtaining new nonlinear optical materials. Technical Physics Letters, 2004, 30, 846-849.	0.7	13
117	Luminescence from copper nanoparticles. Applied Physics B: Lasers and Optics, 2001, 73, 345-353.	2.2	36
118	Radioluminescence and thermoluminescence of rare earth element and phosphorus-doped zircon. American Mineralogist, 2000, 85, 668-681.	1.9	37