

Jakrapong Kaewkhao

List of Publications by Year in descending order

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355
papers

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citations

50170

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docs citations

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times ranked

2280
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical, optical, structural and gamma-ray shielding properties of lead sodium borate glasses. Journal of Physics and Chemistry of Solids, 2011, 72, 245-251.	1.9	218
2	Radiation shielding competence of silicate and borate heavy metal oxide glasses: Comparative study. Journal of Non-Crystalline Solids, 2014, 404, 167-173.	1.5	214
3	High transparency La ₂ O ₃ -CaO-B ₂ O ₃ -SiO ₂ glass for diagnosis x-rays shielding material application. Radiation Physics and Chemistry, 2019, 160, 41-47.	1.4	190
4	Evaluation of gamma-ray exposure buildup factors and neutron shielding for bismuth borosilicate glasses. Radiation Physics and Chemistry, 2014, 98, 14-21.	1.4	161
5	Development of BaO-ZnO-B ₂ O ₃ glasses as a radiation shielding material. Radiation Physics and Chemistry, 2017, 137, 72-77.	1.4	161
6	Gamma radiation shielding and optical properties measurements of zinc bismuth borate glasses. Annals of Nuclear Energy, 2014, 68, 4-9.	0.9	150
7	Comparative study of silicate glasses containing Bi ₂ O ₃ , PbO and BaO: Radiation shielding and optical properties. Annals of Nuclear Energy, 2011, 38, 1438-1441.	0.9	143
8	Investigation on radiation shielding parameters of bismuth borosilicate glass from 1keV to 100GeV. Annals of Nuclear Energy, 2013, 55, 23-28.	0.9	141
9	Optical and electronic polarizability investigation of Nd ³⁺ -doped soda-lime silicate glasses. Journal of Physics and Chemistry of Solids, 2010, 71, 965-970.	1.9	129
10	Study on borate glass system containing with Bi ₂ O ₃ and BaO for gamma-rays shielding materials: Comparison with PbO. Journal of Nuclear Materials, 2010, 399, 38-40.	1.3	127
11	Luminescence characteristics of Dy ³⁺ doped Gd ₂ O ₃ -CaO-SiO ₂ -B ₂ O ₃ scintillating glasses. Journal of Rare Earths, 2016, 34, 583-589.	2.5	124
12	Determination of effective atomic numbers and effective electron densities for Cu/Zn alloy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1260-1265.	1.1	118
13	Structural and optical characteristics of Eu ³⁺ ions in sodium-lead-zinc-lithium-borate glass system. Journal of Molecular Structure, 2016, 1121, 180-187.	1.8	117
14	Gamma-rays shielding properties of xPbO:(100-x)B ₂ O ₃ glasses system at 662keV. Annals of Nuclear Energy, 2009, 36, 1360-1365.	0.9	111
15	Study of photon interactions and shielding properties of silicate glasses containing Bi ₂ O ₃ , BaO and PbO in the energy region of 1keV to 100GeV. Annals of Nuclear Energy, 2012, 41, 119-124.	0.9	111
16	The effect of particle size on radiation shielding properties for bismuth borosilicate glass. Radiation Physics and Chemistry, 2020, 172, 108791.	1.4	102
17	Influence of Er ³⁺ ion concentration on optical and photoluminescence properties of Er ³⁺ -doped gadolinium-calcium silica borate glasses. Journal of Alloys and Compounds, 2016, 683, 590-598.	2.8	95
18	New gadolinium based glasses for gamma-rays shielding materials. Nuclear Engineering and Design, 2014, 280, 21-26.	0.8	93

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19	White light emission of dysprosium doped lanthanum calcium phosphate oxide and oxyfluoride glasses. <i>Optical Materials</i> , 2017, 66, 559-566.	1.7	90
20	Development of lithium yttrium borate glass doped with Dy 3+ for laser medium, W-LEDs and scintillation materials applications. <i>Journal of Non-Crystalline Solids</i> , 2017, 464, 96-103.	1.5	87
21	Energy transfer from Gd ³⁺ to Sm ³⁺ and luminescence characteristics of CaO-Gd ₂ O ₃ -SiO ₂ -B ₂ O ₃ scintillating glasses. <i>Journal of Luminescence</i> , 2017, 181, 382-386.	1.5	86
22	Structural, spectroscopic and optical gain of Nd ³⁺ doped fluorophosphate glasses for solid state laser application. <i>Journal of Luminescence</i> , 2019, 216, 116738.	1.5	86
23	Physical, vibrational, optical and luminescence investigations of Dy ³⁺ -doped yttrium calcium silicoborate glasses for cool white LED applications. <i>Journal of Alloys and Compounds</i> , 2017, 726, 1062-1071.	2.8	83
24	Spectroscopic investigations of Nd ³⁺ doped gadolinium calcium silica borate glasses for the NIR emission at 1059 nm. <i>Journal of Alloys and Compounds</i> , 2017, 695, 590-598.	2.8	82
25	Optical and luminescence characteristics of Eu ³⁺ doped zinc bismuth borate (ZBB) glasses for red emitting device. <i>Materials Research Bulletin</i> , 2015, 71, 37-41.	2.7	79
26	Mass attenuation coefficients and effective atomic numbers in phosphate glass containing Bi ₂ O ₃ , PbO and BaO at 662keV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 619, 295-297.	0.7	78
27	Effect of BaO on Optical, Physical and Radiation Shielding Properties of SiO ₂ -B ₂ O ₃ -Al ₂ O ₃ -CaO-Na ₂ O Glasses System. <i>Procedia Engineering</i> , 2012, 32, 1080-1086.	1.2	75
28	Optical and luminescence properties of Li ₂ O-Gd ₂ O ₃ -MO-B ₂ O ₃ -Sm ₂ O ₃ (MO=Bi ₂ O ₃ , BaO) glasses. <i>Journal of Alloys and Compounds</i> , 2016, 676, 275-285.	2.8	75
29	Investigation of luminescence and laser transition of Dy ³⁺ in Li ₂ O-Gd ₂ O ₃ -Bi ₂ O ₃ -B ₂ O ₃ glasses. <i>Optical Materials</i> , 2016, 55, 136-144.	1.7	74
30	A comparative study of gadolinium based oxide and oxyfluoride glasses as low energy radiation shielding materials. <i>Progress in Nuclear Energy</i> , 2017, 97, 53-59.	1.3	74
31	Molecular dynamics simulation and luminescence properties of Eu ³⁺ doped molybdenum gadolinium borate glasses for red emission. <i>Journal of Alloys and Compounds</i> , 2020, 813, 151914.	2.8	73
32	Investigations of optical and luminescence features of Sm ³⁺ doped Li ₂ O-MO-B ₂ O ₃ (M=Mg/Ca/Sr/Ba) glasses mixed with different modifier oxides as an orange light emitting phosphor for WLED's. <i>Journal of Alloys and Compounds</i> , 2018, 749, 197-204.	2.8	68
33	Energy transfer based emission analysis of Eu ³⁺ doped Gd ₂ O ₃ -CaO-SiO ₂ -B ₂ O ₃ glasses for laser and X-rays detection material applications. <i>Journal of Luminescence</i> , 2018, 194, 75-81.	1.5	66
34	Structural and spectroscopic properties of Er ³⁺ doped sodium lithium borate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117342.	2.0	65
35	Photoluminescence and white light generation of Dy ₂ O ₃ doped Li ₂ O-BaO-Gd ₂ O ₃ -SiO ₂ for white light LED. <i>Journal of Alloys and Compounds</i> , 2019, 774, 244-254.	2.8	63
36	Investigation on the Physical and Optical Properties of Dy ³⁺ Doped Soda-Lime-Silicate Glasses. <i>Procedia Engineering</i> , 2012, 32, 690-698.	1.2	59

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37	Mechanical and radiation shielding properties of flexible material based on natural rubber/ Bi ₂ O ₃ composites. <i>Radiation Physics and Chemistry</i> , 2020, 172, 108772.	1.4	59
38	Ultra-sensitive NO ₂ sensor based on vertically aligned SnO ₂ nanorods deposited by DC reactive magnetron sputtering with glancing angle deposition technique. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 936-945.	4.0	57
39	Luminescence characterization of Sm ³⁺ -doped sodium potassium borate glasses for laser application. <i>Journal of Alloys and Compounds</i> , 2018, 766, 828-840.	2.8	57
40	Effect of alkaline earth oxides on the physical and spectroscopic properties of Dy ³⁺ -doped Li ₂ O-B ₂ O ₃ glasses for white emitting material application. <i>Optical Materials</i> , 2017, 64, 268-275.	1.7	56
41	Scintillation and luminescence characteristics of Ce ³⁺ -doped in Li ₂ O-Gd ₂ O ₃ -BaO-B ₂ O ₃ scintillating glasses. <i>Radiation Physics and Chemistry</i> , 2017, 130, 158-163.	1.4	56
42	High density tungsten gadolinium borate glasses doped with Eu ³⁺ ion for photonic and scintillator applications. <i>Radiation Physics and Chemistry</i> , 2020, 172, 108868.	1.4	56
43	Radioluminescence and optical studies of gadolinium calcium phosphate oxyfluoride glasses doped with Sm ³⁺ . <i>Radiation Physics and Chemistry</i> , 2017, 137, 62-67.	1.4	53
44	Development of Eu ³⁺ -doped Li ₂ O-BaO-GdF ₃ -SiO ₂ oxyfluoride glass for efficient energy transfer from Gd ³⁺ to Eu ³⁺ in red emission solid state device application. <i>Journal of Luminescence</i> , 2018, 203, 515-524.	1.5	51
45	Determination of mass attenuation coefficients and effective atomic numbers for Inconel 738 alloy for different energies obtained from Compton scattering. <i>Annals of Nuclear Energy</i> , 2013, 53, 64-68.	0.9	50
46	Luminescence properties and energy transfer from Gd ³⁺ to Tb ³⁺ ions in gadolinium calcium silicoborate glasses for green laser application. <i>Journal of Alloys and Compounds</i> , 2017, 704, 557-564.	2.8	50
47	Influence of alkaline earth oxides on Eu ³⁺ -doped lithium borate glasses for photonic, laser and radiation detection material applications. <i>Solid State Sciences</i> , 2019, 89, 57-66.	1.5	49
48	Intriguing energy transfer mechanism in oxide and oxy-fluoride phosphate glasses. <i>Optical Materials</i> , 2019, 88, 429-444.	1.7	46
49	Comparative study of Sm ³⁺ ions doped phosphate based oxide and oxy-fluoride glasses for solid state lighting applications. <i>Journal of Rare Earths</i> , 2019, 37, 374-382.	2.5	46
50	Development of barium borosilicate glasses for radiation shielding materials using rice husk ash as a silica source. <i>Progress in Nuclear Energy</i> , 2015, 83, 99-104.	1.3	45
51	Photoluminescence and white light generation behavior of lithium gadolinium silicoborate glasses. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2347-2355.	2.8	45
52	Yellow and blue emission from BaO-(ZnO/ZnF ₂) B ₂ O ₃ TeO ₂ glasses doped with Dy ³⁺ for laser medium and scintillation material applications. <i>Optical Materials</i> , 2018, 85, 382-390.	1.7	45
53	Spectroscopic study of Nd ³⁺ ion-doped Zn-Al-Ba borate glasses for NIR emitting device applications. <i>Optical Materials</i> , 2020, 107, 110018.	1.7	43
54	Effect of BaO on lead free zinc barium tellurite glass for radiation shielding materials in nuclear application. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120386.	1.5	42

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55	Energy transfer phenomenon of Gd ³⁺ to excited ground state of Eu ³⁺ ions in Li ₂ O-BaO-Gd ₂ O ₃ -SiO ₂ -Eu ₂ O ₃ glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 210, 21-29.	2.0	41
56	Physical and luminescence properties of samarium doped oxide and oxyfluoride phosphate glasses. <i>Materials Chemistry and Physics</i> , 2019, 229, 514-522.	2.0	40
57	Optical and X-ray induced luminescence of Sm ³⁺ -doped borotellurite and fluoroborotellurite glasses: A comparative study. <i>Journal of Luminescence</i> , 2019, 213, 19-28.	1.5	40
58	Development of WO ₃ -Gd ₂ O ₃ -B ₂ O ₃ high density glasses doped with Dy ³⁺ for photonics and scintillation materials application. <i>Solid State Sciences</i> , 2020, 101, 106135.	1.5	40
59	Luminescence characteristics of Sm ³⁺ -doped lithium barium gadolinium silicate glasses for Orange LED's. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 14-20.	2.0	39
60	High density of tungsten gadolinium borate glasses for radiation shielding material: Effect of WO ₃ concentration. <i>Radiation Physics and Chemistry</i> , 2022, 192, 109926.	1.4	39
61	Comparative investigations of gadolinium based borate glasses doped with Dy ³⁺ for white light generations. <i>Solid State Sciences</i> , 2019, 89, 50-56.	1.5	38
62	Luminescence properties of Sm ³⁺ doped Na ₂ B ₄ O ₇ glasses for lighting application. <i>Journal of Luminescence</i> , 2021, 230, 117700.	1.5	38
63	Improvement of BaO:B ₂ O ₃ :Fly ash glasses: Radiation shielding, physical and optical properties. <i>Annals of Nuclear Energy</i> , 2012, 49, 109-113.	0.9	37
64	Ce ³⁺ doped glass for radiation detection material. <i>Ceramics International</i> , 2018, 44, S172-S176.	2.3	37
65	Physical, structural and luminescence investigation of Eu ³⁺ -doped lithium-gadolinium bismuth-borate glasses for LEDs. <i>Solid State Sciences</i> , 2018, 80, 161-169.	1.5	36
66	Physical, optical and luminescence properties of the Dy ³⁺ -doped barium borophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 521, 119483.	1.5	36
67	Synthesis and radiation properties of Li ₂ O-BaO-Bi ₂ O ₃ -P ₂ O ₅ glasses. <i>Materials Today: Proceedings</i> , 2021, 43, 2544-2553.	0.9	36
68	The mass attenuation coefficients, effective atomic numbers and effective electron densities for GAGG:Ce and CaMoO ₄ scintillators. <i>Progress in Nuclear Energy</i> , 2016, 92, 48-53.	1.3	35
69	Studies of radiative and mechanical properties of Nd ³⁺ -doped lead fluorosilicate glasses for broadband amplification in a chirped pulse amplification based high power laser system. <i>Journal of Luminescence</i> , 2017, 188, 558-566.	1.5	35
70	Investigation of XANES study and energy transport phenomenon of Gd ³⁺ to Ce ³⁺ in CaO-SiO ₂ -B ₂ O ₃ glasses. <i>Optical Materials</i> , 2020, 102, 109826.	1.7	35
71	Optical spectroscopy and emission properties of Ho ³⁺ -doped gadolinium calcium silicoborate glasses for visible luminescent device applications. <i>Journal of Non-Crystalline Solids</i> , 2017, 474, 50-57.	1.5	34
72	Radio, cathodo and photoluminescence investigations of high density WO ₃ -Gd ₂ O ₃ -B ₂ O ₃ glass doped with Tb ³⁺ . <i>Radiation Physics and Chemistry</i> , 2019, 164, 108350.	1.4	34

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73	X-ray/proton and photoluminescence behaviors of Sm ³⁺ doped high-density tungsten gadolinium borate scintillating glass. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156574.	2.8	34
74	Development of Eu ³⁺ -doped phosphate glass for red luminescent solid-state optical devices. <i>Journal of Luminescence</i> , 2020, 227, 117564.	1.5	34
75	Luminescence behavior of Nd ³⁺ -activated soda-lime-borate glasses for solid-state lasers applications. <i>Journal of Non-Crystalline Solids</i> , 2016, 452, 307-311.	1.5	33
76	Luminescence properties of Ce ³⁺ doped gadolinium-calcium-silicaborate glass scintillator. <i>Radiation Measurements</i> , 2016, 90, 166-169.	0.7	33
77	Optical and luminescence characteristics of Eu ³⁺ -doped B ₂ O ₃ :SiO ₂ :Y ₂ O ₃ :CaO glasses for visible red laser and scintillation material applications. <i>Journal of Rare Earths</i> , 2018, 36, 482-491.	2.5	33
78	Wearable and flexible radiation shielding natural rubber composites: Effect of different radiation shielding fillers. <i>Radiation Physics and Chemistry</i> , 2021, 179, 109261.	1.4	32
79	Investigation of luminescence properties of Dy ³⁺ doped Li ⁺ Na ⁺ K ⁺ B ₂ O ₃ glasses for white light generation. <i>Journal of Alloys and Compounds</i> , 2019, 805, 896-903.	2.8	31
80	1.5- μ m luminescence enhancement of Er ³⁺ by local field surface plasmon resonance of Ag nanoparticles in silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 521, 119522.	1.5	31
81	Gamma-ray and neutron shielding efficiency of Pb-free gadolinium-based glasses. <i>Nuclear Science and Techniques/Hewuli</i> , 2016, 27, 1.	1.3	30
82	Effect of sodium oxide and sodium fluoride in gadolinium phosphate glasses doped with Eu ₂ O ₃ content. <i>Journal of Luminescence</i> , 2020, 219, 116950.	1.5	30
83	Investigations on nonlinear optical properties of gold nanoparticles doped fluoroborate glasses for optical limiting applications. <i>Journal of Non-Crystalline Solids</i> , 2020, 538, 120010.	1.5	30
84	Structural analysis and luminescence studies of Ce ³⁺ : Dy ³⁺ co-doped calcium zinc gadolinium borate glasses using EXAFS. <i>Radiation Physics and Chemistry</i> , 2020, 171, 108695.	1.4	30
85	Radio and photo luminescence of Dy ³⁺ doped lithium fluorophosphate scintillating glass. <i>Radiation Physics and Chemistry</i> , 2021, 185, 109520.	1.4	30
86	Optical Characterization of Soda Lime Borosilicate Glass Doped with TiO ₂ . <i>Procedia Engineering</i> , 2012, 32, 772-779.	1.2	29
87	Development of Sm ³⁺ doped ZnO-Al ₂ O ₃ -BaO-B ₂ O ₃ glasses for optical gain medium. <i>Journal of Non-Crystalline Solids</i> , 2018, 482, 86-92.	1.5	29
88	Effect of Gd ₂ O ₃ on the radiation shielding, physical, optical and luminescence behaviors of Gd ₂ O ₃ -La ₂ O ₃ -ZnO-B ₂ O ₃ -Dy ₂ O ₃ glasses. <i>Radiation Physics and Chemistry</i> , 2021, 185, 109500.	1.4	28
89	Study on Interaction of Bi ₂ O ₃ , PbO and BaO in Silicate Glass System at 662 keV for Development of Gamma-Rays Shielding Materials. <i>Progress in Nuclear Science and Technology</i> , 2011, 1, 106-109.	0.3	28
90	An extensive investigation of physical, optical and radiation shielding properties for borate glasses modified with gadolinium oxide. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	27

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91	Spectroscopic study and energy transfer behavior of Gd ³⁺ to Dy ³⁺ for Li ₂ O-MgO-Gd ₂ O ₃ -B ₂ O ₃ -Dy ₂ O ₃ glasses for white emission material. <i>Journal of Luminescence</i> , 2020, 226, 117380.	1.5	27
92	Photoluminescence properties and energy transfer investigations of Gd ³⁺ and Sm ³⁺ co-doped ZnO-BaO-TeO ₂ glasses for solid state laser application. <i>Journal of Luminescence</i> , 2020, 224, 117275.	1.5	27
93	Utilization of rice husk fly ash in the color glass production. <i>Procedia Engineering</i> , 2012, 32, 670-675.	1.2	26
94	Physical, optical properties and radiation shielding studies of xLa ₂ O ₃ -(100-x)B ₂ O ₃ glass system. <i>Ceramics International</i> , 2020, 46, 5380-5386.	2.3	26
95	Reddish-orange emission and Judd-Ofelt investigation of Sm ³⁺ ions doped in zinc-bismuth-phospho-tellurite glasses for solid lighting application. <i>Journal of Luminescence</i> , 2020, 226, 117498.	1.5	26
96	Interaction of 662 keV Gamma-rays with Bismuth-based Glass Matrices. <i>Journal of the Korean Physical Society</i> , 2011, 59, 661-665.	0.3	26
97	Development of Li ₂ O-SrO-GdF ₃ -B ₂ O ₃ oxyfluoride glass for white light LED application. <i>Journal of Molecular Structure</i> , 2016, 1125, 601-608.	1.8	25
98	Physical, optical and luminescence properties of B ₂ O ₃ -SiO ₂ -Y ₂ O ₃ -CaO glasses with Sm ³⁺ ions for visible laser applications. <i>Journal of Luminescence</i> , 2018, 197, 76-82.	1.5	25
99	Dy ³⁺ ions doped (Na ₂ O/NaF)-Gd ₂ O ₃ -P ₂ O ₅ glasses for solid state lighting material applications. <i>Solid State Sciences</i> , 2019, 97, 105972.	1.5	25
100	Investigation of luminescence and lasing properties of Dy ³⁺ -doped-borate glasses for white light generation. <i>Solid State Sciences</i> , 2019, 90, 68-75.	1.5	25
101	Luminescence and energy transfer studies of Ce ³⁺ /Dy ³⁺ doped fluorophosphate glasses. <i>Journal of Luminescence</i> , 2019, 208, 89-98.	1.5	25
102	Comparative study of optical and luminescence properties of Sm ³⁺ ions doped Li ₂ O-Gd ₂ O ₃ -PbO-SiO ₂ and Li ₂ O-GdF ₃ -PbO-SiO ₂ glasses for orange emission solid state device application. <i>Journal of Luminescence</i> , 2020, 222, 117136.	1.5	25
103	Comparative study of Sm ³⁺ doped in Li ₂ O ₃ -RE ₂ O ₃ -B ₂ O ₃ (RE = Y/La) glasses system for laser medium application. <i>Results in Physics</i> , 2017, 7, 3698-3703.	2.0	24
104	Dy ³⁺ doped B ₂ O ₃ -Li ₂ O-CaO-CaF ₂ glass for efficient white light emitting sources. <i>Journal of Non-Crystalline Solids</i> , 2021, 554, 120604.	1.5	24
105	Optical and Structural Investigation of Bismuth Borate Glasses Doped With Dy ³⁺ . <i>Procedia Engineering</i> , 2011, 8, 195-199.	1.2	23
106	Solar drying of <i>Andrographis paniculata</i> using a parabolicshaped solar tunnel dryer. <i>Procedia Engineering</i> , 2012, 32, 839-846.	1.2	23
107	Strong emission from Ce ³⁺ doped gadolinium oxyfluoroborate scintillation glasses matrix. <i>Radiation Physics and Chemistry</i> , 2021, 185, 109497.	1.4	23
108	Comparative study of Dy ³⁺ doped borate glasses on the basis of luminescence and lasing properties for white-light generation. <i>Optical Materials</i> , 2021, 119, 111308.	1.7	23

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109	Gamma-rays attenuation of zircons from Cambodia and South Africa at different energies: A new technique for identifying the origin of gemstone. <i>Radiation Physics and Chemistry</i> , 2014, 103, 67-71.	1.4	22
110	Intense red emission via energy transfer from (Ce ³⁺ /Eu ³⁺):P ₂ O ₅ +NaF+CaF ₂ +AlF ₃ glasses for warm light sources. <i>Ceramics International</i> , 2021, 47, 1962-1969.	2.3	22
111	Mathematical calculation of gamma rays interaction in bismuth gadolinium silicate glass using WinXCom program. <i>Materials Today: Proceedings</i> , 2022, 65, 2412-2415.	0.9	22
112	Mass Attenuation Coefficient and Effective Atomic Number of Ag/Cu/Zn Alloy at Different Photon Energy by Compton Scattering Technique. <i>Procedia Engineering</i> , 2012, 32, 847-854.	1.2	21
113	Luminescence Property of Rare-Earth Doped Bismuth-Borate Glasses. <i>Procedia Engineering</i> , 2012, 32, 855-861.	1.2	21
114	Physical, structural, optical, and radiation shielding properties of B ₂ O ₃ â€“Gd ₂ O ₃ â€“Y ₂ O ₃ glass system. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	20
115	Nonproportionality of electron response using CCT: Plastic scintillator. <i>Applied Radiation and Isotopes</i> , 2010, 68, 1780-1784.	0.7	19
116	Structural, Optical and Radiation Shielding Properties of BaO-B ₂ O ₃ -Rice Husk Ash Glasses. <i>Procedia Engineering</i> , 2012, 32, 734-739.	1.2	19
117	Photoluminescence Properties of Dy ³⁺ Ion-Doped Li ₂ O-PbO-Gd ₂ O ₃ -SiO ₂ Glasses for White Light Application. <i>Brazilian Journal of Physics</i> , 2019, 49, 605-614.	0.7	19
118	Structural and luminescence study of Dy ³⁺ doped phosphate glasses for solid state lighting applications. <i>Optical Materials</i> , 2020, 109, 110322.	1.7	19
119	Rapid and convenient crystallization of quantum dot CsPbBr ₃ inside a phosphate glass matrix. <i>Journal of Alloys and Compounds</i> , 2021, 866, 158974.	2.8	19
120	IR emission of Er ³⁺ ion-doped fluoroborotellurite glass for communication application. <i>Journal of Non-Crystalline Solids</i> , 2021, 566, 120849.	1.5	19
121	Gd ³⁺ /Sm ³⁺ -energy transfer behavior and spectroscopic study of lithium gadolinium magnesium borate for solid state lighting material. <i>Optical Materials</i> , 2021, 111, 110657.	1.7	18
122	Spectral investigation of lithium-telluride based glasses doped with Sm ³⁺ -ions for lighting application. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160095.	2.8	18
123	Development of BaO:B ₂ O ₃ :Flyash Glass System for Gamma-rays shielding Materials. <i>Progress in Nuclear Science and Technology</i> , 2011, 1, 110-113.	0.3	18
124	Measurement of Mass Attenuation Coefficients of Blue Sapphire at Different Photon Energy by Compton Scattering Technique. <i>Applied Mechanics and Materials</i> , 0, 103, 71-75.	0.2	17
125	Physical and optical properties of the SLS glass doped with low Cr ₂ O ₃ concentrations. <i>Procedia Engineering</i> , 2012, 32, 787-792.	1.2	17
126	Simulated radiation attenuation properties of cement containing with BaSO ₄ and PbO. <i>Procedia Engineering</i> , 2012, 32, 976-981.	1.2	17

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127	The photoluminescence, optical and physical properties of Sm ³⁺ -doped lithium yttrium borate glasses. Journal of Commonwealth Law and Legal Education, 2016, 57, 85-89.	0.2	17
128	Development of bismuth sodium borate glasses for radiation shielding material. Materials Today: Proceedings, 2021, 43, 2508-2515.	0.9	17
129	Luminescence and scintillation properties of Ce ³⁺ -doped P ₂ O ₅ -Li ₂ CO ₃ -GdBr ₃ -Al ₂ O ₃ glasses. Journal of Non-Crystalline Solids, 2021, 567, 120914.	1.5	17
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