Jakrapong Kaewkhao

List of Publications by Year
in descending order

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355	8,144	50276	79698
papers	citations	46 h-index	73 g-index

355	355	355	2280
all docs	docs citations	times ranked	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.	4.0	218
2	Radiation shielding competence of silicate and borate heavy metal oxide glasses: Comparative study. Journal of Non-Crystalline Solids, 2014, 404, 167-173.	3.1	214
3	High transparency La2O3-CaO-B2O3-SiO2 glass for diagnosis x-rays shielding material application. Radiation Physics and Chemistry, 2019, 160, 41-47.	2.8	190
4	Evaluation of gamma-ray exposure buildup factors and neutron shielding for bismuth borosilicate glasses. Radiation Physics and Chemistry, 2014, 98, 14-21.	2.8	161
5	Development of BaOâ€“ZnOâ€“B2O3 glasses as a radiation shielding material. Radiation Physics and Chemistry, 2017, 137, 72-77.	2.8	161
6	Gamma radiation shielding and optical properties measurements of zinc bismuth borate glasses. Annals of Nuclear Energy, 2014, 68, 4-9.	1.8	150
7	Comparative study of silicate glasses containing Bi2O3, PbO and BaO: Radiation shielding and optical properties. Annals of Nuclear Energy, 2011, 38, 1438-1441.	1.8	143
8	Investigation on radiation shielding parameters of bismuth borosilicate glass from 1keV to 100GeV. Annals of Nuclear Energy, 2013, 55, 23-28.	1.8	141
9	Optical and electronic polarizability investigation of Nd3+-doped soda-lime silicate glasses. Journal of Physics and Chemistry of Solids, 2010, 71, 965-970.	4.0	129
10	Study on borate glass system containing with Bi2O3 and BaO for gamma-rays shielding materials: Comparison with PbO. Journal of Nuclear Materials, 2010, 399, 38-40.	2.7	127
11	Luminescence characteristics of Dy3+ doped Gd2O3-CaO-SiO2-B2O3 scintillating glasses. Journal of Rare Earths, 2016, 34, 583-589.	4.8	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.	2.3	118
13	Structural and optical characteristics of Eu3+ ions in sodium-lead-zinc-lithium-borate glass system. Journal of Molecular Structure, 2016, 1121, 180-187.	3.6	117
14	Gamma-rays shielding properties of xPbO:(100â^'x)B2O3 glasses system at 662keV. Annals of Nuclear Energy, 2009, 36, 1360-1365.	1.8	111
15	Study of photon interactions and shielding properties of silicate glasses containing Bi2O3, BaO and PbO in the energy region of 1keV to 100GeV. Annals of Nuclear Energy, 2012, 41, 119-124.	1.8	111
16	The effect of particle size on radiation shielding properties for bismuth borosilicate glass. Radiation Physics and Chemistry, 2020, 172, 108791.	2.8	102
17	Influence of Er3+ ion concentration on optical and photoluminescence properties of Er3+-doped gadolinium-calcium silica borate glasses. Journal of Alloys and Compounds, 2016, 683, 590-598.	5.5	95
18	New gadolinium based glasses for gamma-rays shielding materials. Nuclear Engineering and Design, 2014, 280, 21-26.	1.7	93

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19	White light emission of dysprosium doped lanthanum calcium phosphate oxide and oxyfluoride glasses. Optical Materials, 2017, 66, 559-566.	3.6	90
20	Development of lithium yttrium borate glass doped with Dy 3+ for laser medium, W-LEDs and scintillation materials applications. Journal of Non-Crystalline Solids, 2017, 464, 96-103.	3.1	87
21	Energy transfer from Gd3+ to Sm3+ and luminescence characteristics of CaOâ€“Gd2O3â€“SiO2â€“B2O3 scintillating glasses. Journal of Luminescence, 2017, 181, 382-386.	3.1	86
22	Structural, spectroscopic and optical gain of Nd3+ doped fluorophosphate glasses for solid state laser application. Journal of Luminescence, 2019, 216, 116738.	3.1	86
23	Physical, vibrational, optical and luminescence investigations of Dy3+-doped yttrium calcium silicoborate glasses for cool white LED applications. Journal of Alloys and Compounds, 2017, 726, 1062-1071.	5.5	83
24	Spectroscopic investigations of Nd3+ doped gadolinium calcium silica borate glasses for the NIR emission at 1059Ânm. Journal of Alloys and Compounds, 2017, 695, 590-598.	5.5	82
25	Optical and luminescence characteristics of Eu3+ doped zinc bismuth borate (ZBB) glasses for red emitting device. Materials Research Bulletin, 2015, 71, 37-41.	5.2	79
26	Mass attenuation coefficients and effective atomic numbers in phosphate glass containing Bi2O3, PbO and BaO at 662keV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 295-297.	1.6	78
27	Effect of BaO on Optical, Physical and Radiation Shielding Properties of SiO2-B2O3-Al2O3-CaO-Na2O Glasses System. Procedia Engineering, 2012, 32, 1080-1086.	1.2	75
28	Optical and luminescence properties of Li2O Gd2O3MO B2O3Sm2O3 (MO Bi2O3, BaO) glasses. Journal of Alloys and Compounds, 2016, 676, 275-285.	5.5	75
29	Investigation of luminescence and laser transition of Dy3+ in Li2O-Gd2O3-Bi2O3-B2O3 glasses. Optical Materials, 2016, 55, 136-144.	3.6	74
30	A comparative study of gadolinium based oxide and oxyfluoride glasses as low energy radiation shielding materials. Progress in Nuclear Energy, 2017, 97, 53-59.	2.9	74
31	Molecular dynamics simulation and luminescence properties of Eu3+ doped molybdenum gadolinium borate glasses for red emission. Journal of Alloys and Compounds, 2020, 813, 151914.	5.5	73
32	Investigations of optical and luminescence features of Sm3+ doped Li2O-MO-B2O3 (MÂ=Mg/Ca/Sr/Ba) glasses mixed with different modifier oxides as an orange light emitting phosphor for WLED's. Journal of Alloys and Compounds, 2018, 749, 197-204.	5.5	68
33	Energy transfer based emission analysis of Eu3+ doped Gd2O3-CaO-SiO2-B2O3 glasses for laser and X-rays detection material applications. Journal of Luminescence, 2018, 194, 75-81.	3.1	66
34	Structural and spectroscopic properties of Er3+ doped sodium lithium borate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117342.	3.9	65
35	Photoluminescence and white light generation of Dy2O3 doped Li2O-BaO-Gd2O3- SiO2 for white light LED. Journal of Alloys and Compounds, 2019, 774, 244-254.	5.5	63
36	Investigation on the Physical and Optical Properties of Dy3+ Doped Soda-Lime-Silicate Glasses. Procedia Engineering, 2012, 32, 690-698.	1.2	59

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37	Mechanical and radiation shielding properties of flexible material based on natural rubber/ Bi2O3 composites. Radiation Physics and Chemistry, 2020, 172, 108772.	2.8	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. Sensors and Actuators B: Chemical, 2016, 223, 936-945.	7.8	57
39	Luminescence characterization of Sm3+-doped sodium potassium borate glasses for laser application. Journal of Alloys and Compounds, 2018, 766, 828-840.	5.5	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. Optical Materials, 2017, 64, 268-275.	3.6	56
41	Scintillation and luminescence characteristics of Ce3+doped in Li2Oâ€“Gd2O3â€“BaOâ€“B2O3 scintillating glasses. Radiation Physics and Chemistry, 2017, 130, 158-163.	2.8	56
42	High density tungsten gadolinium borate glasses doped with Eu3+ ion for photonic and scintillator applications. Radiation Physics and Chemistry, 2020, 172, 108868.	2.8	56
43	Radioluminescence and optical studies of gadolinium calcium phosphate oxyfluoride glasses doped with Sm3+. Radiation Physics and Chemistry, 2017, 137, 62-67.	2.8	53
44	Development of Eu3+ doped Li2O-BaO-GdF3-SiO2 oxyfluoride glass for efficient energy transfer from Gd3+ to Eu3+ in red emission solid state device application. Journal of Luminescence, 2018, 203, 515-524.	3.1	51
45	Determination of mass attenuation coefficients and effective atomic numbers for Inconel 738 alloy for different energies obtained from Compton scattering. Annals of Nuclear Energy, 2013, 53, 64-68.	1.8	50
46	Luminescence properties and energy transfer from Gd3+ to Tb3+ ions in gadolinium calcium silicoborate glasses for green laser application. Journal of Alloys and Compounds, 2017, 704, 557-564.	5.5	50
47	Influence of alkaline earth oxides on Eu3+ doped lithium borate glasses for photonic, laser and radiation detection material applications. Solid State Sciences, 2019, 89, 57-66.	3.2	49
48	Intriguing energy transfer mechanism in oxide and oxy-fluoride phosphate glasses. Optical Materials, 2019, 88, 429-444.	3.6	46
49	Comparative study of Sm3+ ions doped phosphate based oxide and oxy-fluoride glasses for solid state lighting applications. Journal of Rare Earths, 2019, 37, 374-382.	4.8	46
50	Development of barium borosilicate glasses for radiation shielding materials using rice husk ash as a silica source. Progress in Nuclear Energy, 2015, 83, 99-104.	2.9	45
51	Photoluminescence and white light generation behavior of lithium gadolinium silicoborate glasses. Journal of Alloys and Compounds, 2017, 695, 2347-2355.	5.5	45
52	Yellow and blue emission from BaO-(ZnO/ZnF2) B2O3TeO2 glasses doped with Dy3+ for laser medium and scintillation material applications. Optical Materials, 2018, 85, 382-390.	3.6	45
53	Spectroscopic study of Nd3+ ion-doped Zn-Al-Ba borate glasses for NIR emitting device applications. Optical Materials, 2020, 107, 110018.	3.6	43
54	Effect of BaO on lead free zinc barium tellurite glass for radiation shielding materials in nuclear application. Journal of Non-Crystalline Solids, 2020, 550, 120386.	3.1	42

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55	Energy transfer phenomenon of Gd3+ to excited ground state of Eu3+ ions in Li2O-BaO-Gd2O3-SiO2-Eu2O3 glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 210, 21-29.	3.9	41
56	Physical and luminescence properties of samarium doped oxide and oxyfluoride phosphate glasses. Materials Chemistry and Physics, 2019, 229, 514-522.	4.0	40
57	Optical and X-ray induced luminescence of Sm3+ -doped borotellurite and fluoroborotellurite glasses: A comparative study. Journal of Luminescence, 2019, 213, 19-28.	3.1	40
58	Development of WO3-Gd2O3Ë— B2O3 high density glasses doped with Dy3+ for photonics and scintillation materials application. Solid State Sciences, 2020, 101, 106135.	3.2	40
59	Luminescence characteristics of Sm3+-doped lithium barium gadolinium silicate glasses for Orange LED's. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 14-20.	3.9	39
60	High density of tungsten gadolinium borate glasses for radiation shielding material: Effect of WO3 concentration. Radiation Physics and Chemistry, 2022, 192, 109926.	2.8	39
61	Comparative investigations of gadolinium based borate glasses doped with Dy3+ for white light generations. Solid State Sciences, 2019, 89, 50-56.	3.2	38
62	Luminescence properties of Sm3+ doped Na2B4O7 glasses for lighting application. Journal of Luminescence, 2021, 230, 117700.	3.1	38
63	Improvement of BaO:B2O3:Fly ash glasses: Radiation shielding, physical and optical properties. Annals of Nuclear Energy, 2012, 49, 109-113.	1.8	37
64	Ce3+ doped glass for radiation detection material. Ceramics International, 2018, 44, S172-S176.	4.8	37
65	Physical, structural and luminescence investigation of Eu 3+ -doped lithium-gadolinium bismuth-borate glasses for LEDs. Solid State Sciences, 2018, 80, 161-169.	3.2	36
66	Physical, optical and luminescence properties of the Dy3+doped barium borophosphate glasses. Journal of Non-Crystalline Solids, 2019, 521, 119483.	3.1	36
67	Synthesis and radiation properties of Li2O-BaO-Bi2O3-P2O5 glasses. Materials Today: Proceedings, 2021, 43, 2544-2553.	1.8	36
68	The mass attenuation coefficients, effective atomic numbers and effective electron densities for GAGG:Ce and CaMoO 4 scintillators. Progress in Nuclear Energy, 2016, 92, 48-53.	2.9	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. Journal of Luminescence, 2017, 188, 558-566.	3.1	35
70	Investigation of XANES study and energy transport phenomenon of Gd3+ to Ce3+ in CaOâ€“SiO2â€“B2O3 glasses. Optical Materials, 2020, 102, 109826.	3.6	35
71	Optical spectroscopy and emission properties of Ho3+-doped gadolinium calcium silicoborate glasses for visible luminescent device applications. Journal of Non-Crystalline Solids, 2017, 474, 50-57.	3.1	34
72	Radio, cathodo and photoluminescence investigations of high density WO3-Gd2O3-B2O3 glass doped with Tb3+. Radiation Physics and Chemistry, 2019, 164, 108350.	2.8	34

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73	X-ray/proton and photoluminescence behaviors of Sm3+ doped high-density tungsten gadolinium borate scintillating glass. Journal of Alloys and Compounds, 2020, 849, 156574.	5.5	34
74	Development of Eu3+-doped phosphate glass for red luminescent solid-state optical devices. Journal of Luminescence, 2020, 227, 117564.	3.1	34
75	Luminescence behavior of Nd3+-activated soda-lime-borate glasses for solid-state lasers applications. Journal of Non-Crystalline Solids, 2016, 452, 307-311.	3.1	33
76	Luminescence properties of Ce3+ doped gadolinium-calcium-silicaborate glass scintillator. Radiation Measurements, 2016, 90, 166-169.	1.4	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. Journal of Rare Earths, 2018, 36, 482-491.	4.8	33
78	Wearable and flexible radiation shielding natural rubber composites: Effect of different radiation shielding fillers. Radiation Physics and Chemistry, 2021, 179, 109261.	2.8	32
79	Investigation of luminescence properties of Dy3+ doped LiFâ€“Na2Oâ€“ K2Oâ€“B2O3 glasses for white light generation. Journal of Alloys and Compounds, 2019, 805, 896-903.	5.5	31
80	1.5â€Î¼m luminescence enhancement of Er3+ by local field surface plasmon resonance of Ag nanoparticles in silicate glasses. Journal of Non-Crystalline Solids, 2019, 521, 119522.	3.1	31
81	Gamma-ray and neutron shielding efficiency of Pb-free gadolinium-based glasses. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	30
82	Effect of sodium oxide and sodium fluoride in gadolinium phosphate glasses doped with Eu2O3 content. Journal of Luminescence, 2020, 219, 116950.	3.1	30
83	Investigations on nonlinear optical properties of gold nanoparticles doped fluoroborate glasses for optical limiting applications. Journal of Non-Crystalline Solids, 2020, 538, 120010.	3.1	30
84	Structural analysis and luminescence studies of Ce3+: Dy3+ co-doped calcium zinc gadolinium borate glasses using EXAFS. Radiation Physics and Chemistry, 2020, 171, 108695.	2.8	30
85	Radio and photo luminescence of Dy3+ doped lithium fluorophosphate scintillating glass. Radiation Physics and Chemistry, 2021, 185, 109520.	2.8	30
86	Optical Characterization of Soda Lime Borosilicate Glass Doped with TiO2. Procedia Engineering, 2012, 32, 772-779.	1.2	29
87	Development of Sm3+ doped ZnO-Al2O3-BaO-B2O3 glasses for optical gain medium. Journal of Non-Crystalline Solids, 2018, 482, 86-92.	3.1	29
88	Effect of Gd2O3 on the radiation shielding, physical, optical and luminescence behaviors of Gd2O3â€“La2O3â€“ZnOâ€“B2O3â€“Dy2O3 glasses. Radiation Physics and Chemistry, 2021, 185, 109500.	2.8	28
89	Study on Interaction of Bi2O3, PbO and BaO in Silicate Glass System at 662 keV for Development of Gamma-Rays Shielding Materials. Progress in Nuclear Science and Technology, 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. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	27

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91	Spectroscopic study and energy transfer behavior of Gd3+ to Dy3+ for Li2Oâ€“MgO-Gd2O3â€“B2O3â€“Dy2O3 glasses for white emission material. Journal of Luminescence, 2020, 226, 117380.	3.1	27
92	Photoluminescence properties and energy transfer investigations of Gd3+ and Sm3+ co-doped ZnOâ€“BaOâ€“TeO2 glasses for solid state laser application. Journal of Luminescence, 2020, 224, 117275.	3.1	27
93	Utilization of rice husk fly ash in the color glass production. Procedia Engineering, 2012, 32, 670-675.	1.2	26
94	Physical, optical properties and radiation shielding studies of xLa2O3-(100-x)B2O3 glass system. Ceramics International, 2020, 46, 5380-5386.	4.8	26
95	Reddish-orange emission and Judd-Ofelt investigation of Sm3+ ions doped in zince-bismuth-phospho-tellurite glasses for solid lighting application. Journal of Luminescence, 2020, 226, 117498.	3.1	26
96	Interaction of 662 keV Gamma-rays with Bismuth-based Glass Matrices. Journal of the Korean Physical Society, 2011, 59, 661-665.	0.7	26
97	Development of Li 2 O-SrO-GdF 3 -B 2 O 3 oxyfluoride glass for white light LED application. Journal of Molecular Structure, 2016, 1125, 601-608.	3.6	25
98	Physical, optical and luminescence properties of B2O3-SiO2-Y2O3-CaO glasses with Sm3+ions for visible laser applications. Journal of Luminescence, 2018, 197, 76-82.	3.1	25
99	Dy3+ ions doped (Na2O/NaF)-Gd2O3â€“P2O5 glasses for solid state lighting material applications. Solid State Sciences, 2019, 97, 105972.	3.2	25
100	Investigation of luminescence and lasing properties of Dy3+-doped-borate glasses for white light generation. Solid State Sciences, 2019, 90, 68-75.	3.2	25
101	Luminescence and energy transfer studies of Ce3+/Dy3+ doped fluorophosphate glasses. Journal of Luminescence, 2019, 208, 89-98.	3.1	25
102	Comparative study of optical and luminescence properties of Sm3+-ions doped Li2Oâ€“Gd2O3â€“PbOâ€“SiO2 and Li2O-GdF3-PbOâ€“SiO2 glasses for orange emission solid state device application. Journal of Luminescence, 2020, 222, 117136.	3.1	25
103	Comparative study of Sm3+ doped in Li2O3-RE2O3-B2O3 (RE = Y/La) glasses system for laser medium application. Results in Physics, 2017, 7, 3698-3703.	4.1	24
104	Dy3+ doped B2O3 â€“ Li2O â€“ CaO â€“ CaF2 glass for efficient white light emitting sources. Journal of Non-Crystalline Solids, 2021, 554, 120604.	3.1	24
105	Optical and Structural Investigation of Bismuth Borate Glasses Doped With Dy3+. Procedia Engineering, 2011, 8, 195-199.	1.2	23
106	Solar drying of Andrographis paniculata using a parabolicshaped solar tunnel dryer. Procedia Engineering, 2012, 32, 839-846.	1.2	23
107	Strong emission from Ce3+ doped gadolinium oxyfluoroborate scintillation glasses matrix. Radiation Physics and Chemistry, 2021, 185, 109497.	2.8	23
108	Comparative study of Dy3+ doped borate glasses on the basis of luminescence and lasing properties for white-light generation. Optical Materials, 2021, 119, 111308.	3.6	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. Radiation Physics and Chemistry, 2014, 103, 67-71.	2.8	22
110	Intense red emission via energy transfer from (Ce3+/Eu3+):P2O5+NaF+CaF2+AlF3 glasses for warm light sources. Ceramics International, 2021, 47, 1962-1969.	4.8	22
111	Mathematical calculation of gamma rays interaction in bismuth gadolinium silicate glass using WinXCom program. Materials Today: Proceedings, 2022, 65, 2412-2415.	1.8	22
112	Mass Attenuation Coefficient and Effective Atomic Number of Ag/Cu/Zn Alloy at Different Photon Energy by Compton Scattering Technique. Procedia Engineering, 2012, 32, 847-854.	1.2	21
113	Luminescence Property of Rare-Earth Doped Bismuth-Borate Glasses. Procedia Engineering, 2012, 32, 855-861.	1.2	21
114	Physical, structural, optical, and radiation shielding properties of B2O3â€“Gd2O3â€“Y2O3 glass system. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	20
115	Nonproportionality of electron response using CCT: Plastic scintillator. Applied Radiation and Isotopes, 2010, 68, 1780-1784.	1.5	19
116	Structural, Optical and Radiation Shielding Properties of BaO-B2O3-Rice Husk Ash Glasses. Procedia Engineering, 2012, 32, 734-739.	1.2	19
117	Photoluminescence Properties of Dy3+ Ion-Doped Li2O-PbO-Gd2O3-SiO2 Glasses for White Light Application. Brazilian Journal of Physics, 2019, 49, 605-614.	1.4	19
118	Structural and luminescence study of Dy3+ doped phosphate glasses for solid state lighting applications. Optical Materials, 2020, 109, 110322.	3.6	19
119	Rapid and convenient crystallization of quantum dot CsPbBr3 inside a phosphate glass matrix. Journal of Alloys and Compounds, 2021, 866, 158974.	5.5	19
120	IR emission of Er3+ ion-doped fluoroborotellurite glass for communication application. Journal of Non-Crystalline Solids, 2021, 566, 120849.	3.1	19
121	Gd3+/Sm3+energy transfer behavior and spectroscopic study of lithium gadolinium magnesium borate for solid state lighting material. Optical Materials, 2021, 111, 110657.	3.6	18
122	Spectral investigation of lithium-telluride based glasses doped with Sm3+-ions for lighting application. Journal of Alloys and Compounds, 2021, 875, 160095.	5.5	18
123	Development of BaO:B2O3:Flyash Glass System for Gamma-rays shielding Materials. Progress in Nuclear Science and Technology, 2011, 1, 110-113.	0.3	18
124	Measurement of Mass Attenuation Coefficients of Blue Sapphire at Different Photon Energy by Compton Scattering Technique. Applied Mechanics and Materials, 0, 103, 71-75.	0.2	17
125	Physical and optical properties of the SLS glass doped with low Cr2O3 concentrations. Procedia Engineering, 2012, 32, 787-792.	1.2	17
126	Simulated radiation attenuation properties of cement containing with BaSO4 and PbO. Procedia Engineering, 2012, 32, 976-981.	1.2	17

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127	The photoluminescence, optical and physical properties of Sm3+-doped lithium yttrium borate glasses. Journal of Commonwealth Law and Legal Education, 2016, 57, 85-89.	0.5	17
128	Development of bismuth sodium borate glasses for radiation shielding material. Materials Today: Proceedings, 2021, 43, 2508-2515.	1.8	17
129	Luminescence and scintillation properties of Ce3+-doped P2O5-Li2CO3-GdBr3-Al2O3 glasses. Journal of Non-Crystalline Solids, 2021, 567, 120914.	3.1	17
130	The influence of Gd2O3 on shielding, thermal and luminescence properties of WO3â€“Gd2O3â€“B2O3 glass for radiation shielding and detection material. Radiation Physics and Chemistry, 2022, 190, 109805.	2.8	17
131	Scintillation respond and orange emission from Sm3+ ion doped tellurite and fluorotellurite glasses: A comparative study. Radiation Physics and Chemistry, 2021, 189, 109754.	2.8	17
132	Development of flexible radiation shielding materials from natural Rubber/Sb2O3 composites. Radiation Physics and Chemistry, 2022, 200, 110379.	2.8	17
133	Monte Carlo Design and Experiments on the Neutron Shielding Performances of B2O3â€“ZnOâ€“Bi2O3 Glass System. Glass Physics and Chemistry, 2017, 43, 560-563.	0.7	16
134	X-ray and Proton Luminescences of Bismuth-borate Glasses. Journal of the Korean Physical Society, 2011, 59, 657-660.	0.7	16
135	Development of bright orange-reddish color emitting material from Sm3+-doped Y2O3 based borosilicate glasses for solid state lighting materials. Journal of Non-Crystalline Solids, 2022, 578, 121283.	3.1	16
136	A critical review and future prospects of Dy3+-doped glasses for white light emission applications. Optik, 2022, 266, 169583.	2.9	16
137	Comparative Study of Optical and Spectroscopic Properties of Lead and Bismuth on Borosilicate Glasses. Procedia Engineering, 2012, 32, 699-705.	1.2	15
138	A Study of Radioactive Contamination of Crystals for the AMoRE Experiment. IEEE Transactions on Nuclear Science, 2016, 63, 543-547.	2.0	15
139	Properties of erbium luminescence in barium borophosphate glasses. Materials Today: Proceedings, 2017, 4, 6099-6104.	1.8	15
140	Luminescence behavior of Nd3+ions doped ZnO-BaO-(Gd2O3/GdF3)- P2O5 glasses for laser material applications. Journal of Luminescence, 2021, 236, 118139.	3.1	15
141	Visible to infrared emission from (Eu3+/Nd3+):B2O3Â+ÂAlF3Â+ÂNaFÂ+ÂCaF2 glasses for luminescent solar converters. Optics and Laser Technology, 2021, 141, 107170.	4.6	15
142	Energy transfer and broad-band luminescence of Nd3+-Er3+ co-doped Lithium Fluorophosphate (LFP) glasses. Optical Materials, 2022, 125, 112007.	3.6	15
143	Photoluminescence and optical transition properties of Sm3+ activated lead-borate glasses. Optical Materials, 2022, 129, 112486.	3.6	15
144	Properties of CoO doped in Glasses Prepared from Rice Hush Fly Ash in Thailand. IOP Conference Series: Materials Science and Engineering, 2011, 18, 112008.	0.6	14

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145	Effect of Bi2O3 on radiation shielding properties of glasses from coal fly ash. Materials Today: Proceedings, 2018, 5, 14046-14051.	1.8	14
146	Luminescence properties of Nd3+ ions doped P2O5-Li2O3-GdF3 glasses for laser applications. Optik, 2019, 199, 163218.	2.9	14
147	Photoluminescence and energy transfer studies in Ce3+ and Sm3+ activated P2O5+K2O+Al2O3+BaF2+NaF2 glasses for solid state lighting. Optical Materials, 2020, 99, 109576.	3.6	14
148	RADIO-OPTICAL response of cerium-doped lithium gadolinium bismuth borate glasses. Journal of Luminescence, 2020, 224, 117341.	3.1	14
149	Development of bismuth alumino borosilicate glass for radiation shielding material. Radiation Physics and Chemistry, 2021, 186, 109542.	2.8	14
150	Sm3+-Doped Molybdenum Gadolinium Borate Glasses for Orange Emission Laser Active Medium. Ukrainian Journal of Physics, 2018, 63, 721.	0.2	14
151	Investigation of europium-doped aluminium phosphate glass for red light generation. Ceramics International, 2022, 48, 24751-24757.	4.8	14
152	Luminescence study and Judd-Ofelt analysis of CaO-BaO-P 2 O 5 glasses doped with Nd 3+ ions. Materials Today: Proceedings, 2017, 4, 6091-6098.	1.8	13
153	A Novel Radiation Shielding Material for Gamma-Ray: The Development of Lutetium Lithium Borate Glasses. Key Engineering Materials, 0, 766, 246-251.	0.4	13
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