Ali ErÃ§in Ersundu

List of Publications by Year
in descending order

43 papers	1,615 citations	331538 21 h-index	289141 40 g-index
43 all docs	43 docs citations	43 times ranked	862 citing authors

#	Article	IF	Citations
1	The heavy metal oxide glasses within the WO 3 -MoO 3 -TeO 2 system to investigate the shielding properties of radiation applications. Progress in Nuclear Energy, 2018, 104, 280-287.	1.3	166
2	Investigation of gamma radiation shielding properties of lithium zinc bismuth borate glasses using XCOM program and MCNP5 code. Journal of Non-Crystalline Solids, 2017, 468, 12-16.	1.5	136
3	Investigation on gamma and neutron radiation shielding parameters for BaO/SrOâ€'Bi2O3â€'B2O3 glasses. Radiation Physics and Chemistry, 2018, 145, 26-33.	1.4	104
4	Evaluation of physical, structural properties and shielding parameters for K 2 Oâ€“WO 3 â€“TeO 2 glasses for gamma ray shielding applications. Journal of Alloys and Compounds, 2017, 714, 278-286.	2.8	88
5	Preparation and characterization of TeO2â€“WO3â€“Li2O glasses. Journal of Non-Crystalline Solids, 2013, 378, 247-253.	1.5	72
6	Glass Formation and Characterization Studies in the <scp><scp>TeO</scp></scp>₂â€“<scp><scp>WO</scp></scp>₃â€“<scp><scp>Na</scp></scp><sub>2</su System. Journal of the American Ceramic Society, 2013, 96, 1470-1476.	1.9	70
7	Characterization of B2O3 and/or WO3 containing tellurite glasses. Journal of Non-Crystalline Solids, 2012, 358, 641-647.	1.5	67
8	Size-controlled emission of long-time durable CsPbBr3 perovskite quantum dots embedded tellurite glass nanocomposites. Chemical Engineering Journal, 2020, 401, 126053.	6.6	65
9	Dy3+ doped tellurite glasses for solid-state lighting: An investigation through physical, thermal, structural and optical spectroscopy studies. Journal of Non-Crystalline Solids, 2019, 513, 125-136.	1.5	63
10	Physical, mechanical and gamma-ray shielding properties of highly transparent ZnO-MoO3-TeO2 glasses. Journal of Non-Crystalline Solids, 2019, 524, 119648.	1.5	58
11	Glass formation area and characterization studies in the CdOâ€“WO3â€“TeO2 ternary system. Journal of the European Ceramic Society, 2011, 31, 2775-2781.	2.8	52
12	Investigation on thermal and microstructural characterization of the TeO2â€“WO3 system. Journal of Alloys and Compounds, 2011, 509, 5646-5654.	2.8	50
13	Investigation of radiation shielding properties for MeO-PbCl 2 -TeO 2 (MeO = Bi 2 O 3 , MoO 3 , Sb 2 O 3 ,) Tj ETQq1 1 0.784314 rgBT	1.4	48
14	Effect of rare-earth dopants on the thermal behavior of tungstenâ€“tellurite glasses. Journal of Alloys and Compounds, 2010, 508, 266-272.	2.8	42
15	Crystallization kinetics of the tungstenâ€“tellurite glasses. Journal of Non-Crystalline Solids, 2011, 357, 88-95.	1.5	40
16	Characterization of new Sb 2 O 3 -based multicomponent heavy metal oxide glasses. Journal of Alloys and Compounds, 2014, 615, 712-718.	2.8	40
17	Structure and crystallization kinetics of lithium tellurite glasses. Journal of Non-Crystalline Solids, 2016, 453, 150-157.	1.5	35
18	Recent progress in lanthanide-doped luminescent glasses for solid-state lighting applicationsâ€"a review. Journal of Physics Condensed Matter, 2021, 33, 483001.	0.7	35

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19	Thermal and microstructural characterization and crystallization kinetic studies in the TeO2â^'B2O3 system. Materials Chemistry and Physics, 2013, 137, 999-1006.	2.0	27
20	The TeO₂â€Na₂O System: Thermal Behavior, Structural Properties, and Phase Equilibria. International Journal of Applied Glass Science, 2015, 6, 406-418.	1.0	26
21	Thermochromic behavior of tellurite glasses. Journal of Alloys and Compounds, 2015, 637, 162-170.	2.8	26
22	A straightforward approach for high-end anti-counterfeiting applications based on NIR laser-driven lanthanide doped luminescent glasses. Journal of Materials Chemistry C, 2021, 9, 2037-2046.	2.7	23
23	Robust CsPbBr3 and CdSe / Dy3++CdSe quantum dot doped glass nanocomposite hybrid coupling as color converter for solid-state lighting applications. Chemical Engineering Journal, 2021, 420, 130542.	6.6	23
24	Stability of the Î´-TeO2 phase in the binary and ternary TeO2 glasses. Journal of the European Ceramic Society, 2010, 30, 3087-3092.	2.8	20
25	Crystallization kinetics of new heavy metal oxide glasses within the Sb2O3-Na2O-WO3-PbO system. Ceramics International, 2017, 43, 491-497.	2.3	20
26	Ultra-stable Eu3+/Dy3+ co-doped CsPbBr3 quantum dot glass nanocomposites with tunable luminescence properties for phosphor-free WLED applications. Journal of Alloys and Compounds, 2022, 909, 164650.	2.8	20
27	Noninvasive optical temperature sensing behavior of Ho3+ and Ho3+/Er3+ doped tellurite glasses through up and down-converted emissions. Sensors and Actuators A: Physical, 2020, 315, 112321.	2.0	18
28	Color tunability and white light generation through up-conversion energy transfer in Yb3+ sensitized Ho3+/Tm3+ doped tellurite glasses. Journal of Non-Crystalline Solids, 2019, 525, 119679.	1.5	17
29	Novel HMO-Glasses with Sb2O3 and TeO2 for Nuclear Radiation Shielding Purposes: A Comparative Analysis with Traditional and Novel Shields. Materials, 2021, 14, 4330.	1.3	17
30	A comparative study on WO3Â+ÂMoO3 containing TeO2 and Sb2O3-based heavy metal oxide glasses. Journal of Non-Crystalline Solids, 2020, 541, 120093.	1.5	16
31	A comparative investigation on thermal, structural and optical properties of W and Nb-doped VO2-based thermochromic thin films. Thin Solid Films, 2020, 700, 137919.	0.8	16
32	Instantaneous Color Tuning of Upconversion Emission in a Novel Lanthanide-Doped Monolithic Glass via Excitation Modulation. Journal of Physical Chemistry C, 2020, 124, 10687-10695.	1.5	15
33	Color tunable emission from Eu³⁺ and Tm³⁺ co-doped CsPbBr₃ quantum dot glass nanocomposites. Physical Chemistry Chemical Physics, 2022, 24, 1486-1495.	1.3	15
34	Synthesis and characterization of newly developed phosphate-based glasses through experimental gamma-ray and neutron spectroscopy methods: Transmission and dose rates. Ceramics International, 2022, 48, 13842-13849.	2.3	13
35	Investigating the influence of transition metal oxides on temperature dependent optical properties of PbCl2â€“TeO2 glasses for their evaluation as transparent large band gap semiconductors. Journal of Alloys and Compounds, 2018, 748, 687-693.	2.8	12
36	The synergistic effect of Er³⁺ and Ho³⁺ on temporal color tuning of upconversion emission in a glass host via a facile excitation modulation technique for anti-counterfeiting applications. Physical Chemistry Chemical Physics, 2020, 22, 25963-25972.	1.3	12

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37	Crystallization behavior of WO3-MoO3-TeO2 glasses. Journal of Non-Crystalline Solids, 2018, 501, 93-100.	1.5	11
38	Phase equilibria and glass formation studies in the (1â^'x)TeO2â€“xCdO (0.05â‰¤xâ‰¤0.33mol) system. Journal of the European Ceramic Society, 2012, 32, 603-610.	2.8	10
39	A thorough investigation of the Bi2O3â€“PbCl2â€“TeO2 system: Glass forming region, thermal, physical, optical, structural, mechanical and radiation shielding properties. Journal of Alloys and Compounds, 2021, 857, 158279.	2.8	9
40	Investigation the effect of weathering on chemically strengthened flat glasses. Journal of Non-Crystalline Solids, 2020, 544, 120192.	1.5	8
41	Structural properties and dissolution behavior of new generation controlled release phosphate glass fertilizers. Journal of Non-Crystalline Solids, 2022, 576, 121239.	1.5	5
42	CdSe and CsPbBr3 quantum dot Co-doped monolithic glasses as tunable wavelength convertors. Journal Physics D: Applied Physics, 2022, 55, 105301.	1.3	3
43	The effect of UV exposure and heat treatment on crystallization behavior of photosensitive glasses. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	2