# 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 | Structural properties and dissolution behavior of new generation controlled release phosphate glass fertilizers. Journal of Non-Crystalline Solids, 2022, 576, 121239. | 1.5 | 5 |
| 2 | CdSe and CsPbBr3 quantum dot Co-doped monolithic glasses as tunable wavelength convertors. Journal Physics D: Applied Physics, 2022, 55, 105301. | 1.3 | 3 |
| 3 | Color tunable emission from Eu<sup>3+</sup> and Tm<sup>3+</sup> co-doped CsPbBr<sub>3</sub> quantum dot glass nanocomposites. Physical Chemistry Chemical Physics, 2022, 24, 1486-1495. | 1.3 | 15 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | The synergistic effect of Er<sup>3+</sup> and Ho<sup>3+</sup> on temporal color tuning of upconversion emission in a glass host <i>via</i> a facile excitation modulation technique for anti-counterfeiting applications. Physical Chemistry Chemical Physics, 2020, 22, 25963-25972. | 1.3 | 12 |
| 12 | 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 |
| 13 | 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 |
| 14 | Investigation the effect of weathering on chemically strengthened flat glasses. Journal of Non-Crystalline Solids, 2020, 544, 120192. | 1.5 | 8 |
| 15 | 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 |
| 16 | Size-controlled emission of long-time durable CsPbBr3 perovskite quantum dots embedded tellurite glass nanocomposites. Chemical Engineering Journal, 2020, 401, 126053. | 6.6 | 65 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Investigation of radiation shielding properties for MeO-PbCl 2 -TeO 2 (MeO = Bi 2 O 3 , MoO 3 , Sb 2 O 3 ,) Tj ETQq0 0 0 rgBT /Overlock | 1.4 | 48 |
| 25 | Crystallization behavior of WO3-MoO3-TeO2 glasses. Journal of Non-Crystalline Solids, 2018, 501, 93-100. | 1.5 | 11 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Crystallization kinetics of new heavy metal oxide glasses within the Sb2O3-Na2O-WO3-PbO system. Ceramics International, 2017, 43, 491-497. | 2.3 | 20 |
| 30 | Structure and crystallization kinetics of lithium tellurite glasses. Journal of Non-Crystalline Solids, 2016, 453, 150-157. | 1.5 | 35 |
| 31 | The TeO<sub>2</sub>â€Na<sub>2</sub>O System: Thermal Behavior, Structural Properties, and Phase Equilibria. International Journal of Applied Glass Science, 2015, 6, 406-418. | 1.0 | 26 |
| 32 | Thermochromic behavior of tellurite glasses. Journal of Alloys and Compounds, 2015, 637, 162-170. | 2.8 | 26 |
| 33 | 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 |
| 34 | Glass Formation and Characterization Studies in the <scp><scp>TeO</scp></scp><sub>2</sub>â€“<scp><scp>WO</scp></scp><sub>3</sub>â€“<scp><scp>Na</scp></scp><sub>2</su System. Journal of the American Ceramic Society, 2013, 96, 1470-1476. | 1.9 | 70 |
| 35 | Preparation and characterization of TeO2â€“WO3â€“Li2O glasses. Journal of Non-Crystalline Solids, 2013, 378, 247-253. | 1.5 | 72 |
| 36 | Thermal and microstructural characterization and crystallization kinetic studies in the TeO2â^'B2O3 system. Materials Chemistry and Physics, 2013, 137, 999-1006. | 2.0 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Characterization of B2O3 and/or WO3 containing tellurite glasses. Journal of Non-Crystalline Solids, 2012, 358, 641-647. | 1.5 | 67 |
| 38 | Phase equilibria and glass formation studies in the (1âˆ'x)TeO2â€"xCdO (0.05â‰xâ‰0.33mol) system. Journal of the European Ceramic Society, 2012, 32, 603-610. | 2.8 | 10 |
| 39 | Investigation on thermal and microstructural characterization of the TeO2â€"WO3 system. Journal of Alloys and Compounds, 2011, 509, 5646-5654. | 2.8 | 50 |
| 40 | Crystallization kinetics of the tungstenâ€"tellurite glasses. Journal of Non-Crystalline Solids, 2011, 357, 88-95. | 1.5 | 40 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |