

Assoc. Prof. Miray ÇELİKBİLEK ERSUNDU

Personal Information

Office Phone: [+90 212 383 4688](tel:+902123834688)

Fax Phone: [+90 212 383 4662](tel:+902123834662)

Web: <https://www.glass.yildiz.edu.tr>

Address: Yıldız Teknik Üniversitesi Davutpaşa Kampüsü Kimya Metalurji Fakültesi Metalurji ve Malzeme Mühendisliği A 316, 34220, Esenler, İstanbul

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2009 - 2013

Post Graduate, İstanbul Teknik Üniversitesi, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2008 - 2009

Under Graduate, İstanbul Teknik Üniversitesi, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2004 - 2008

Foreign Languages

French, C1 Advanced

English, B2 Upper Intermediate

Dissertations

Doctorate, Tellürit Sistemlerin Camlaşma Davranışlarının, Cam Özelliklerinin ve Termokromik Davranışlarının İncelenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, 2013

Post Graduate, TeO₂-WO₃ Sisteminin Termal ve Mikroyapısal İncelenmesi, İstanbul Teknik Üniversitesi, Fen Bilim Enstitüsü, Üretim Metalurjisi, 2009

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Optical Properties, Electrical and Magnetic Properties, Glass Technology and Glass Ceramics, Nanomaterials, Thermal Properties, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Yıldız Teknik Üniversitesi, Kimya Metalurji, Metalurji Ve Malzeme Mühendisliği, 2018 - 2018

Assistant Professor, Yıldız Teknik Üniversitesi, Kimya Metalurji, Metalurji Ve Malzeme Mühendisliği, 2014 - 2018

Courses

Graduation Project, Under Graduate, 2018 - 2019
Seramik Teknolojilerinde Tasarım Uygulamaları, Under Graduate, 2018 - 2019, 2019 - 2020
Basic Metallurgical Diagrams, Post Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019
Principles of Extractive Metallurgy, Under Graduate, 2018 - 2019
Glass Technology, Under Graduate, 2018 - 2019, 2019 - 2020
Thermodynamics of Solution, Under Graduate, 2018 - 2019
Üretim Metalurjisi Termodinamiği , Doctorate, 2017 - 2018
Thermodynamics of Materials, Under Graduate, 2018 - 2019
Metallurgy Kinetics, Under Graduate, 2018 - 2019
Materials Thermodynamics 2, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018
Principles of Extractive Metallurgy , Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018
Kinetics, Under Graduate, 2015 - 2016, 2016 - 2017
Metalurji Laboratuvarı, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018
Ore Dressing, Under Graduate, 2016 - 2017, 2017 - 2018
Tasarım Uygulamaları, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018
Bitirme Çalışması, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017
Materials Thermodynamics 1, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018
Glass Technology, Under Graduate, 2014 - 2015, 2015 - 2016
Hydrometallurgy, Under Graduate, 2014 - 2015

Advising Theses

Çelikbilek Ersundu M., Fosfat -Esaslı Camların Çözünme Davranışlarının İncelenmesi ve Kontrollü Salımlı Gübre Olarak Kullanılabilirliklerinin Araştırılması, Post Graduate, B.Kuzu(Student), Continues
Çelikbilek Ersundu M., Fotovoltaik sistemlerde kullanılan desenli ince camların kimyasal temperlenmesi, Post Graduate, G.Terzi(Student), 2020
Çelikbilek Ersundu M., İnce Camların Kimyasal Temperlenmesi, Post Graduate, B.Demir(Student), 2020
Çelikbilek Ersundu M., Investigation of Luminescence and Up-conversion Properties of Holmium, Thulium and Ytterbium Ions Triply-doped Tellurite Glasses, Post Graduate, N.Vahedigharehchopogh(Student), 2020
Çelikbilek Ersundu M., Farklı Al₂O₃ Oranlarına Sahip Alümina Silikat ve Soda Kireç Silikat Camların Kimyasal Temperlenme Davranışlarının İncelenmesi, Post Graduate, A.Caner(Student), 2019
Çelikbilek Ersundu M., Alümina Silikat ve Soda Kireç Silikat Camların Kimyasal Temperlenmesinde Kalınlık ve Kesme Etkisinin İncelenmesi, Post Graduate, B.Kayacan(Student), 2018
Çelikbilek Ersundu M., Synthesis and Investigation of Transition Metal Oxide-doped Heavy Metal Oxide Glasses for Their Evaluation as Large Band Gap Semiconductors, Post Graduate, N.Gediköglü(Student), 2018
Çelikbilek Ersundu M., ZnTe Kuantum Nokta Katkılı Camların Geliştirilmesi ve Kuantum Kısıtlama Özelliklerinin İncelenmesi, Post Graduate, İ.Tunç(Student), 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Size-controlled emission of long-time durable CsPbBr₃ perovskite quantum dots embedded tellurite glass nanocomposites**
Erol E., Kıbrıslı O., Çelikbilek Ersundu M., Ersundu A. E.
CHEMICAL ENGINEERING JOURNAL, vol.401, 2020 (Journal Indexed in SCI)
- II. **Noninvasive Optical Temperature Sensing Behavior of Ho³⁺ and Ho³⁺/Er³⁺ Doped Tellurite Glasses Through Up and Down-Converted Emissions**
Kıbrıslı O., Erol E., Vahedigharehchopogh N., Yousef E. S. , Çelikbilek Ersundu M., Ersundu A. E.
Sensors And Actuators A-Physical, vol.315, pp.112321, 2020 (Journal Indexed in SCI Expanded)
- III. **Stress in ion exchanged soda-lime silicate and sodium aluminosilicate glasses: Experimental and**

theoretical comparison

Macrelli G., Özben N., Kayaalp A. C. , ÇELİKBİLEK ERSUNDU M., Sökmen İ.

International Journal of Applied Glass Science, vol.11, pp.730-742, 2020 (Journal Indexed in SCI)

- IV. **Investigation the effect of weathering on chemically strengthened flat glasses**
Gösterişlioğlu Y., Ersundu A. E. , Çelikbilek Ersundu M., Sökmen İ.
Journal of Non-Crystalline Solids, vol.544, 2020 (Journal Indexed in SCI)
- V. **A comparative study on WO₃ + MoO₃ containing TeO₂ and Sb₂O₃-based heavy metal oxide glasses**
ERSUNDU A. E. , ÇELİKBİLEK ERSUNDU M., Gedikoğlu N.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.541, 2020 (Journal Indexed in SCI)
- VI. **Instantaneous Color Tuning of Upconversion Emission in a Novel Lanthanide-Doped Monolithic Glass via Excitation Modulation**
Kibrisli O., Vahedigharehchopogh N., Ersundu A. E. , Çelikbilek Ersundu M.
JOURNAL OF PHYSICAL CHEMISTRY C, vol.124, pp.10687-10695, 2020 (Journal Indexed in SCI)
- VII. **A comparative investigation on thermal, structural and optical properties of W and Nb-doped VO₂-based thermochromic thin**
Ersundu A. E. , Çelikbilek Ersundu M., Doğan E., Güven M.
THIN SOLID FILMS, vol.700, 2020 (Journal Indexed in SCI)
- VIII. **Color tunability and white light generation through up-conversion energy transfer in Yb³⁺ sensitized Ho³⁺/Tm³⁺ doped tellurite glasses**
Vahedigharehchopogh N., Kibrisli O., Ersundu A. E. , Çelikbilek Ersundu M.
Journal of Non-Crystalline Solids, vol.525, 2019 (Journal Indexed in SCI)
- IX. **Physical, mechanical and gamma-ray shielding properties of highly transparent ZnO-MoO₃-TeO₂ glasses**
Çelikbilek Ersundu M., Ersundu A. E. , Gedikoglu N., Şakar E., Buyikyildiz M., Kurudirek M.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.524, 2019 (Journal Indexed in SCI)
- X. **Dy³⁺ doped tellurite glasses for solid-state lighting: An investigation through physical, thermal, structural and optical spectroscopy studies**
Kibrisli O., Ersundu A. E. , Çelikbilek Ersundu M.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.513, pp.125-136, 2019 (Journal Indexed in SCI)
- XI. **Crystallization behaviour and growth kinetics of ZnTe in soda-lime-silica glass nanocomposites**
Ersundu M.
PHYSICS AND CHEMISTRY OF GLASSES-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART B, vol.60, pp.15-20, 2019 (Journal Indexed in SCI)
- XII. **Crystallization behavior of WO₃-MoO₃-TeO₂ glasses**
Gedikoğlu N., Ersundu A. E. , Aydın S., Çelikbilek Ersundu M.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.501, pp.93-100, 2018 (Journal Indexed in SCI)
- XIII. **Investigating the influence of transition metal oxides on temperature dependent optical properties of PbCl₂-TeO₂ glasses for their evaluation as transparent large band gap semiconductors**
Gedikoğlu N., Çelikbilek Ersundu M., Kostka P., Bašinová N., Ersundu A. E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.748, pp.687-693, 2018 (Journal Indexed in SCI)
- XIV. **The heavy metal oxide glasses within the WO₃-MoO₃-TeO₂ system to investigate the shielding properties of radiation applications**
Ersundu A. E. , Buyukyildiz M., Çelikbilek Ersundu M., Şakar E., Kurudirek M.
PROGRESS IN NUCLEAR ENERGY, vol.104, pp.280-287, 2018 (Journal Indexed in SCI)
- XV. **Investigation on gamma and neutron radiation shielding parameters for BaO/SrO-Bi₂O₃-B₂O₃ glasses**
Sayyed M. I. , Lakshminarayana G., Dong M. G. , Çelikbilek Ersundu M., Ersundu A. E. , Kityk I. V.
RADIATION PHYSICS AND CHEMISTRY, vol.145, pp.26-33, 2018 (Journal Indexed in SCI)
- XVI. **Investigation of radiation shielding properties for MeO-PbCl₂-TeO₂ (MeO = Bi₂O₃, MoO₃, Sb₂O₃, WO₃, ZnO) glasses**
Sayyed M. I. , Çelikbilek Ersundu M., Ersundu A. E. , Lakshminarayana G., Kostka P.

- RADIATION PHYSICS AND CHEMISTRY, vol.144, pp.419-425, 2018 (Journal Indexed in SCI)
- XVII. Evaluation of physical, structural properties and shielding parameters for K₂O-WO₃-TeO₂ glasses for gamma ray shielding applications**
Çelikbilek Ersundu M., Ersundu A. E. , Sayyed M. I. , Lakshminarayana G., Aydın S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.714, pp.278-286, 2017 (Journal Indexed in SCI)
- XVIII. Investigation of gamma radiation shielding properties of lithium zinc bismuth borate glasses using XCOM program and MCNP5 code**
Dong M. G. , Sayyed M. I. , Lakshminarayana G., Çelikbilek Ersundu M., Ersundu A. E. , Nayar P., Mahdi M. A.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.468, pp.12-16, 2017 (Journal Indexed in SCI)
- XIX. Crystallization kinetics of new heavy metal oxide glasses within the Sb₂O₃-Na₂O-WO₃-PbO system**
Çelikbilek Ersundu M., Ersundu A. E. , Soltani M. T. , Baazouzi M.
CERAMICS INTERNATIONAL, vol.43, pp.491-497, 2017 (Journal Indexed in SCI)
- XX. Structure and crystallization kinetics of lithium tellurite glasses**
Çelikbilek Ersundu M., Ersundu A. E.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.453, pp.150-157, 2016 (Journal Indexed in SCI)
- XXI. The TeO₂-Na₂O System: Thermal Behavior, Structural Properties, and Phase Equilibria**
Kavaklioglu K. B. , Aydın S., Çelikbilek M., Ersundu A. E.
INTERNATIONAL JOURNAL OF APPLIED GLASS SCIENCE, vol.6, pp.406-418, 2015 (Journal Indexed in SCI)
- XXII. Thermo-chromic behavior of tellurite glasses**
Celikbilek M., ERSUNDU A. E. , Zayim E., Aydın S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.637, pp.162-170, 2015 (Journal Indexed in SCI)
- XXIII. Characterization of new Sb₂O₃-based multicomponent heavy metal oxide glasses**
Ersundu A. E. , Çelikbilek M., Baazouzi M., Soltani M. T. , Troles J., Aydın S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.615, pp.712-718, 2014 (Journal Indexed in SCI)
- XXIV. Preparation and characterization of TeO₂-WO₃-Li₂O glasses**
Çelikbilek M., Ersundu A. E. , Aydın S.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.378, pp.247-253, 2013 (Journal Indexed in SCI)
- XXV. Glass Formation and Characterization Studies in the TeO₂-WO₃-Na₂O System**
Çelikbilek M., Ersundu A. E. , Aydın S.
JOURNAL OF THE AMERICAN CERAMIC SOCIETY, vol.96, pp.1470-1476, 2013 (Journal Indexed in SCI)
- XXVI. Thermal and microstructural characterization and crystallization kinetic studies in the TeO₂-B₂O₃ system**
Yardimci D., Çelikbilek M., Ersundu A. E. , Aydın S.
MATERIALS CHEMISTRY AND PHYSICS, vol.137, pp.999-1006, 2013 (Journal Indexed in SCI)
- XXVII. Phase equilibria and glass formation studies in the (1-x)TeO₂-xCdO (0.05 ≤ x ≤ 0.33 mol) system**
Karaduman G., Ersundu A. E. , Celikbilek M., Solak N., Aydın S.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.32, pp.603-610, 2012 (Journal Indexed in SCI)
- XXVIII. Characterization of B₂O₃ and/or WO₃ containing tellurite glasses**
Ersundu A. E. , Çelikbilek M., Aydın S.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.358, pp.641-647, 2012 (Journal Indexed in SCI)
- XXIX. Glass formation area and characterization studies in the CdO-WO₃-TeO₂ ternary system**
Ersundu A. E. , Celikbilek M., Solak N., Aydın S.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.31, pp.2775-2781, 2011 (Journal Indexed in SCI)
- XXX. Investigation on thermal and microstructural characterization of the TeO₂-WO₃ system**
Celikbilek M., Ersundu A. E. , Solak N., Aydın S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.509, pp.5646-5654, 2011 (Journal Indexed in SCI)
- XXXI. Crystallization kinetics of the tungsten-tellurite glasses**
Celikbilek M., Ersundu A. E. , Solak N., Aydın S.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.357, pp.88-95, 2011 (Journal Indexed in SCI)
- XXXII. Stability of the delta-TeO₂ phase in the binary and ternary TeO₂ glasses**
Ersundu A. E. , Karaduman G., Celikbilek M., Solak N., Aydın S.

JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.30, pp.3087-3092, 2010 (Journal Indexed in SCI)

XXXIII. **Effect of rare-earth dopants on the thermal behavior of tungsten-tellurite glasses**

Ersundu A. E. , Karaduman G., Celikbilek M., Solak N., Aydın S.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.508, pp.266-272, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Geçiş Metal Oksit Katkılı PbCl₂-TeO₂ Camların Yapısal ve Optik İncelenmesi**

Çelikbilek Ersundu M.

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.17, pp.218-226, 2017 (National Refreed University Journal)

II. **Microstructural and Thermal Characterization of the TeO₂-WO₃ System**

Çelikbilek Ersundu M., Karaduman G., Ersundu A. E. , Solak N., Tatar D., Aydın S.

Ceramic Materials, vol.62, pp.556-559, 2010 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. **A Review of Scanning Electron Microscopy Investigations in Tellurite Glass Systems**

Ersundu A. E. , Çelikbilek Ersundu M., Aydın S.

in: Current Microscopy Contributions to Advances in Science and Technology, Méndez-Vilas A., Editor, Formatex, Badajoz, pp.1105-1114, 2013

II. **Crystallization Kinetics in Amorphous Materials**

Çelikbilek Ersundu M., Ersundu A. E. , Aydın S.

in: Advances in Crystallization Processes, Yitzhak Mastai, Editor, Intech, Rijeka, pp.127-162, 2012

Refereed Congress / Symposium Publications in Proceedings

I. **The Effect of Bath Contamination on Chemical Strengthening via Different forms of Sodium Compounds**

Demir B., Çalı A., Özben N., Ersundu A. E. , Çelikbilek Ersundu M., Sökmen İ.

Şişecam International Glass Conference combined with 34th Şişecam Glass Symposium, İstanbul, Turkey, 21 - 22 November 2019, pp.167

II. **The Effect of Different Calcium Compounds on Bath Contamination in Chemical Strengthening Process**

Çalı A., Özben N., Demir B., Çelikbilek Ersundu M., Ersundu A. E. , Sökmen İ.

Şişecam International Glass Conference combined with 34th Şişecam Glass Symposium, İstanbul, Turkey, 21 - 22 November 2019, pp.166

III. **Investigation of White Light Generation in Rare Earth Doped Tellurite Glass Nanocomposites for Solid State Lighting**

Vahedigharehchopogh N., Kıbrıslı O., Çelikbilek Ersundu M., Ersundu A. E.

Şişecam International Glass Conference combined with 34th Şişecam Glass Symposium, İstanbul, Turkey, 21 - 22 November 2019, pp.153

IV. **Rare-Earth / Quantum-Dot Glass Nanocomposites For White Light Emitting Diodes**

Vahedigharehchopogh N., Kıbrıslı O., Çelikbilek Ersundu M., Ersundu A. E.

International Materials Technologies and Metallurgy Conference 2019 (MTM 2019), İstanbul, Turkey, 31 October - 01 November 2019, pp.219

V. **Photoluminescence Enhancement of Dy³⁺-Doped Tellurite Glasses Through Nanoparticle Doping for Solid-state Lighting Applications**

Ersundu A. E. , Kıbrıslı O., Çelıkbılek Ersundu M.

21st YUCOMAT 2019 Conference, Podgorica, Serbia And Montenegro, 2 - 06 September 2019, pp.53

- VI. **Patterned Glass Strengthening with Chemical Tempering via Bath Technology**
Terzi G., Ögüt B., Kaçar E. D. , Yıldız T., Gökçen E., Çelıkbılek Ersundu M., Ersundu A. E. , Sökmen İ.
25th International Congress on Glass (ICG 2019), Massachusetts, United States Of America, 9 - 14 June 2019, pp.89
- VII. **Investigation of luminescence and upconversion properties of Ho³⁺, Tm³⁺ and Yb³⁺-doped tellurite glasses for solid-state lighting applications**
Vahedıgharechopogh N., Kıbrıslı O., Çelıkbılek Ersundu M., Ersundu A. E.
25th International Congress on Glass (ICG 2019), Massachusetts, United States Of America, 9 - 14 June 2019, pp.91
- VIII. **Comparative Study on Structural and Electrical Properties of TeO₂ and Sb₂O₃-Based Glasses**
Başak O., Gedıkođlu N., Kıbrıslı O., Çelıkbılek Ersundu M., Ersundu A. E.
25th International Congress on Glass (ICG 2019), Massachusetts, United States Of America, 9 June - 14 July 2019, pp.94
- IX. **Effect of CdSe and ZnSe on Spectroscopic Properties of White Light Emitting Dy³⁺-Doped Tellurite Glasses**
Kıbrıslı O., Ersundu A. E. , Çelıkbılek Ersundu M.
25th International Congress on Glass (ICG 2019), Massachusetts, United States Of America, 9 - 14 June 2019, pp.160
- X. **The Effect of Weathering on Chemical Strengthened Thin Glasses**
Gösterışlıođlu Y. A. , Güldah B., Terzi G., Kaçar E. D. , Simurka L., Çelıkbılek Ersundu M., Ersundu A. E. , Sökmen İ.
25th International Congress on Glass (ICG 2019), Massachusetts, United States Of America, 9 - 14 June 2019, pp.89
- XI. **Tellurite glasses potential transparent radiation shielding materials**
Ersundu A. E. , Çelıkbılek Ersundu M., Akıllı V., Kıbrıslı O.
The 17th Young Researchers' Conference Materials Science and Engineering, Belgrade, Serbia And Montenegro, 5 - 07 December 2018, pp.31
- XII. **Investigation of Nanomechanical Properties of Chemically Tempered Glasses**
Kayaalp A. C. , Kayacan B., Özben N., Simurka L., Sökmen İ., Ersundu A. E. , Çelıkbılek Ersundu M.
The 17th Young Researchers' Conference Materials Science and Engineering, Belgrade, Serbia And Montenegro, 5 - 07 December 2018, pp.35
- XIII. **Beyaz Işık Yayan LED'Ler İçin Nadir Toprak İyonu Katkılı Yeni Nesil Camların Geliştirilmesi**
Kıbrıslı O., Çelıkbılek Ersundu M., Ersundu A. E.
33. Şişecam Cam Sempozyumu, İstanbul, Turkey, 02 November 2018, pp.74
- XIV. **Yaşlandırma Sürecinin Kimyasal Temperli İnce Düzcamlara Olan Etkileri**
Gösterışlıođlu A., Güldah B., Terzi G., Özben N., Simurka L., Ersundu A. E. , Çelıkbılek Ersundu M., Sökmen İ.
33. Şişecam Cam Sempozyumu, İstanbul, Turkey, 02 November 2018, pp.101
- XV. **Desenli İnce Düzcamın Kimyasal Temperleme Yolu ile Güçlendirilmesi**
Terzi G., Ögüt B., Yıldız T., Gökçen E., Çelıkbılek Ersundu M., Ersundu A. E. , Sökmen İ.
33. Şişecam Cam Sempozyumu, İstanbul, Turkey, 02 November 2018, pp.103
- XVI. **Farklı Cam Kesme Tekniklerinin Kimyasal Temperli İnce Düzcamın Mekanik Mukavemetine Olan Etkileri**
Ögüt B., Okan B., Gösterışlıođlu A., Kayacan B., Terzi G., Kaçar E. D. , Çelıkbılek Ersundu M., Sökmen İ.
33. Şişecam Cam Sempozyumu, İstanbul, Turkey, 02 November 2018, pp.108-109
- XVII. **Ion Exchange Strengthening of Silicate Glasses**
Kayaalp C., Kayacan B., Özben N., Atılgan S., Ögüt B., Simurka L., Güldiren D., Okan O. B. , Çelıkbılek Ersundu M., Sökmen İ.
Science and Applications of Thin Films, Conference & Exhibition (SATF 2018), İzmir, Turkey, 17 - 21 September 2018, pp.33
- XVIII. **Physics of Na⁺-K⁺ Inter-diffusion in Chemical Tempering of Glasses**
Kayacan B., Kayaalp A. C. , Özben N., Okan B. O. , Ögüt B., Sökmen İ., Ersundu A. E. , Çelıkbılek Ersundu M.
34th Turkish Physical Society International Physical Congress, Muđla, Turkey, 5 - 09 September 2018, pp.458
- XIX. **Comparative radiation shielding study of WO₃/Bi₂O₃-PbCl₂-TeO₂ glass systems as transparent**

shielding materials

Akıllı V., Terzi G., Çelikbilek Ersundu M., Ersundu A. E.

34th Turkish Physical Society International Physical Congress, Muğla, Turkey, 05 September 2018, pp.451

- XX. **Comparison on Chemical Tempering Behavior of Commercial Aluminosilicate and Soda Lime Silicate Glasses**
Kayaalp A. C., Kayacan B., Özben N., Sökmen İ., Ersundu A. E., Çelikbilek Ersundu M.
15th International Conference on the Physics of Non-Crystalline Solids & 14th ESG Conference, Brittany, France, 9 - 13 July 2018, pp.499
- XXI. **Comparison of TeO₂ and Sb₂O₃ as Heavy Metal Oxide Glass Formers**
Gedikoğlu N., Kırışlı O., Ersundu A. E., Çelikbilek Ersundu M.
15th International Conference on the Physics of Non-Crystalline Solids & 14th ESG Conference, Brittany, France, 9 - 13 July 2018, pp.434
- XXII. **Investigation of Tellurite Glasses for Radiation Shielding Applications**
Akıllı V., Kırışlı O., Çelikbilek Ersundu M., Ersundu A. E.
15th International Conference on the Physics of Non-Crystalline Solids & 14th ESG Conference, Brittany, France, 9 - 13 July 2018, pp.511
- XXIII. **The Effect of Glass Thickness on Chemical Tempering Efficiency**
Kayacan B., Kayaalp A. C., Özben N., Sökmen İ., Ersundu A. E., Çelikbilek Ersundu M.
15th International Conference on the Physics of Non-Crystalline Solids & 14th ESG Conference, Brittany, France, 9 - 13 July 2018, pp.498
- XXIV. **The Effect of Nb-doping on thermochromic behavior of VO₂-based thin films forenergy-efficient windows**
Doğan E., Çelikbilek Ersundu M., Ersundu A. E.
15th International Conference on the Physics of Non-Crystalline Solids & 14th ESG Conference, Brittany, France, 9 - 13 July 2018, pp.510
- XXV. **Temperature Dependent Optical and Electrical Properties of Sb₂O₃ and TeO₂-based Heavy Metal Oxide Glasses**
Kırışlı O., Gedikoğlu N., Çelikbilek Ersundu M., Ersundu A. E.
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- XXVI. **Ion Exchange Strengthening of Silicate Glasses**
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