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Publons / Web Of Science ResearcherID: IYS-2982-2023

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Education Information

Doctorate, Anadolu University, Fen Bilimleri Enstitüsü, Seramik Mühendisliği (Dr), Turkey 2004 - 2010

Undergraduate, Anadolu University, Mühendislik - Mimarlık Fakültesi, Malzeme Bilimi Ve Mühendisliği Bölümü, Turkey 1999 - 2004

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of P2O5 addition on anorthite based glass-ceramic glazes**
Yıldız B., Oytaç Z. E., Bayer Öztürk Z.
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, vol.131, no.51, pp.1-10, 2025 (SCI-Expanded)
- II. **Effect of particle size distribution on the properties of celsian based glazes**
YILDIZ B.
Journal of the Australian Ceramic Society, 2024 (SCI-Expanded)
- III. **Effects of alumina and white fused alumina addition on technological properties of transparent floor tile glazes**
Bayer Ozturk Z., Yıldız B., Kara A.
Journal of Thermal Analysis and Calorimetry, vol.142, no.3, pp.1215-1221, 2020 (SCI-Expanded)
- IV. **Roles of CaO, MgO and SiO2 on crystallization and microstructure development in diopside-based glass-ceramic glazes under industrial fast-firing condition**
Suvaci E., Yıldız B.
Journal of the Australian Ceramic Society, vol.53, no.1, pp.75-81, 2017 (SCI-Expanded)
- V. **Effect of alumina characteristics and concentration on thermal behavior, phase evolution, and aesthetic properties of tile glaze coatings**
Ozturk Z. B., Yıldız B.
Glass Physics and Chemistry, vol.42, no.3, pp.257-262, 2016 (SCI-Expanded)
- VI. **Effects of alumina and white fused alumina addition on transparent wall and floor tile glazes**

- Yildiz B., Ozturk Z., Kara A.
Acta Physica Polonica A, vol.127, no.4, pp.1090-1093, 2015 (SCI-Expanded)
- VII. **The effect of different fluxes on thermal behavior of floor tile glazes**
Ozturk Z., Yildiz B.
Acta Physica Polonica A, vol.127, no.4, pp.1183-1185, 2015 (SCI-Expanded)
- VIII. **Investigation of the usage of whitening agents as an alternative to zircon in opaque frit compositions**
Yildiz B., Ozturk Z.
Acta Physica Polonica A, vol.127, no.4, pp.1180-1182, 2015 (SCI-Expanded)
- IX. **Anisotropic sintering shrinkage in alumina ceramics containing oriented platelets**
Ozer I., Suvaci E., Karademir B., Missiaen J., Carry C., Bouvard D.
Journal of the American Ceramic Society, vol.89, no.6, pp.1972-1976, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Mermer, Granit ve Kompozit Kuvars Mutfak Tezgâhlarının Teknik Özelliklerinin Karşılaştırılması**
ÖZODABAŞ A., YILDIZ B., TAYÇU A.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.16, no.2, pp.813-831, 2024 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Determining The Technology Readiness Level In R& D Projects**
Yıldız B.
2. BİLSEL Uluslararası Efes Bilimsel Araştırmalar ve İnovasyon Kongresi, İzmir, Turkey, 14 - 15 October 2023, pp.31
- II. **Application and Importance of Technology Readiness Level for Industrial Ceramic Sector**
YILDIZ B.
SERES'18 IV. International Ceramic, Glass, Porcelain, Enamel, Glaze and Pigment Congress, Eskişehir, Turkey, 18 October 2018
- III. **Effect of Frit Quenching Temperature on Grinding Process of Wall Tile Glazes**
YILDIZ B., TUNALI A., TAMSÜ SELLİ N.
5th International Advances in Applied Physics and Materials Science Congress&Exhibition (APMAS), Turkey, 13 October 2015
- IV. **Seramik Sır Yüzeylerinde Asit ve Baz Dayanımı:Derleme.**
BAYER ÖZTÜRK Z., YILDIZ B.
8. Eskişehir Pişmiş Toprak Sempozyumu, Turkey, 05 September 2014
- V. **Cam Seramik Sırlar-Derleme**
YILDIZ B.
8. Eskişehir Pişmiş Toprak Sempozyumu, Turkey, 05 September 2014
- VI. **Effect of Pore Characteristics on Engobe Permeability for the Water Mark Problem**
YILDIZ B., KARA A.
Qualicer 2014: 8th World Congress on Ceramic Tile Quality, Spain, 15 February 2014
- VII. **Effects of Na₂O, K₂O and B₂O₃ on Crystallization Behavior and Microstructure of Diopside Based Tile Glass Ceramic Glazes**
YILDIZ B., SUVACI E.
IMMC 2010:15th International Metallurgy&Materials Congress, İstanbul, Turkey, 11 November 2010
- VIII. **Compositional Modification Effects on the Properties of Diopside Based Wall Tile Engobes**
YILDIZ B., SUVACI E.
SERES'09 I. International Ceramic, Glass, Enamel, Glaze and Pigment Congress, Turkey, 12 - 14 October 2009

- IX. Investigation of the Compositional Variation Effect on the Diopside Based Wall Tile Engobe's Properties**
YILDIZ B., SUVACI E.
ECERS 11th International Conference and Exhibition of the European Ceramic Society, Krakow, Poland, 21 June 2009
- X. Investigation of the Compositional Variation Effect on the Diopside Based Frits' Thermal Behaviour**
YILDIZ B., SUVACI E.
VII. Ceramic Congress with International Participation, Turkey, 26 November 2008
- XI. Anisotropic Shrinkage in Sintering of Alumina Ceramics with Oriented Platelets.**
ÖZER İ. Ö., SUVACI E., YILDIZ B.
Sintering'05: 4th International Conference on Science, Technology and Applications of Sintering, France, 29 August 2005

Supported Projects

- YILDIZ B., OYTAÇ Z. E., Project Supported by Higher Education Institutions, Anortit, Albit Esaslı Cam Seramik Sırlarda Kompozisyon-Mikroyapı İlişkisinin Kurulması ve Mikroyapının Sır Mekanik ve Optik Özellikler Üzerindeki Etkisinin İncelenmesi, 2023 - Continues
- Yıldız B., TUBITAK Project, Kuvars Tane Boyut ve Farklı Atıkların Kuvars Mutfak Tezgâhları Üzerindeki Etkisinin Araştırılması; Çift Tabakalı Kompozit Tezgâhların Geliştirilmesi, 2023 - 2024
- Özodabaş A., Yıldız B., Tayçu A., TUBITAK Project, Kuvars tane boyut ve farklı atıkların kuvars mutfak tezgâhları üzerindeki etkisinin araştırılması; çift tabakalı kompozit tezgahların geliştirilmesi, 2023 - 2024
- YILDIZ B., SAYEM- Akıllı Ürünler, 2019 - 2020
- YILDIZ B., TUBITAK Project, 1501- Seramik Sağlık Gereçleri- Eviye Bünye Geliştirme, 2017 - 2019
- YILDIZ B., TUBITAK Project, 1501-Kaplama Malzemeleri- Parlak Sır Geliştirme, 2015 - 2016
- YILDIZ B., TUBITAK Project, 1501-Sır ve Engopta Kullanılan Zirkon Miktarının Azaltılması, 2008 - 2010