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Eğitim Bilgileri

Doktora, University of Missouri-Rolla, Seramik Mühendisliği, Amerika Birleşik Devletleri 1988 - 1991

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 1991 - Devam Ediyor

Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2003 - 2010

Yönetilen Tezler

ÖZTÜRK A., Niobium-cobalt co-doped barium titanate dielectric ceramics for multilayered ceramic capacitors, Yüksek Lisans, B.ÖZGÜR(Öğrenci), 2022

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- ÖZTÜRK A., Production and characterization of yttria stabilized zirconia ceramic blocks for dental applications, Yüksek Lisans, M.KAPLAN(Öğrenci), 2017
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- ÖZTÜRK A., Bor ve zirkonyum katkılanmış titanyum dioksit nanotozların sol-jel tekniğiyle sentezi, Yüksek Lisans, L.Ağartan(Öğrenci), 2014
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- ÖZTÜRK A., TOKYAY M., A study on the utilization of waste cement-bonded wood particle board as a raw material and a secondary fuel in cement manufacturing, Yüksek Lisans, M.YILMAZ(Öğrenci), 2012
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- ÖZTÜRK A., YAMAN İ. Ö., Utilization of soda and beer wastes in cementitious systems, Yüksek Lisans, B.ALEESSA(Öğrenci), 2009
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Enhanced bioactivity and low temperature degradation resistance of yttria stabilized zirconia/clay composites for dental applications**
Tufan Y., Park J., Öztürk A., Ercan B.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, cilt.42, sa.15, ss.7300-7310, 2022 (SCI-Expanded)
- II. **Effects of fluorination and thermal shock on the photocatalytic activity of Bi₂O₃ nanopowders**
BOUZIANI A., Park J., ÖZTÜRK A.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, cilt.626, 2021 (SCI-Expanded)
- III. **In vitro evaluation of tooth-colored yttria stabilized zirconia ceramics**
Akarsu M. K., Basar A. O., Sasmazel H. T., Park J., ÖZTÜRK A.
JOURNAL OF ASIAN CERAMIC SOCIETIES, cilt.9, sa.4, ss.1457-1465, 2021 (SCI-Expanded)
- IV. **Enhanced methylene blue removal efficiency of TiO₂ embedded porous glass**
Ertus E. B., Vakifahmetoglu C., ÖZTÜRK A.
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- V. **Preparation and photocatalytic activity of g-C₃N₄/TiO₂ heterojunctions under solar light illumination**
Gundogmus P., PARK J., ÖZTÜRK A.
CERAMICS INTERNATIONAL, cilt.46, sa.13, ss.21431-21438, 2020 (SCI-Expanded)
- VI. **Synthesis of alpha-Fe₂O₃/TiO₂ heterogeneous composites by the sol-gel process and their photocatalytic activity**
Bouziani A., PARK J., ÖZTÜRK A.
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- VII. **Production and properties of phase separated porous glass**
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CERAMICS INTERNATIONAL, cilt.46, sa.4, ss.4947-4951, 2020 (SCI-Expanded)
- VIII. **Synthesis and enhanced photocatalytic activity of nitrogen-doped triphasic TiO₂ nanoparticles**
Erdogan N., Bouziani A., PARK J., Micusik M., Kim S. Y., Majkova E., Omastova M., ÖZTÜRK A.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, cilt.377, ss.92-100, 2019 (SCI-Expanded)
- IX. **Alkaline Hydrothermal Synthesis, Characterization, and Photocatalytic Activity of TiO₂ Nanostructures: The Effect of Initial TiO₂ Phase**
Erdogan N., PARK J., Choi W., Kim S. Y., ÖZTÜRK A.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, cilt.19, sa.3, ss.1511-1519, 2019 (SCI-Expanded)
- X. **Facile synthesis of CsPbBr₃/PbSe composite clusters**
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- XI. **Removal of Trace Amounts of Copper from Concentrated Hydrochloric Acid Solutions**
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- XII. **Production and properties of tooth-colored yttria stabilized zirconia ceramics for dental applications**
Kaplan M., PARK J., Kim S. Y., ÖZTÜRK A.
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- XIII. **Control of the Crystal Growth Shape in CH₃NH₃PbBr₃ Perovskite Materials**
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- XIV. **Effects of Graphene Transfer and Thermal Annealing on Anticorrosive Properties of Stainless Steel**
Oh J. H., Han S., Kim T., PARK J., ÖZTÜRK A., Kim S. Y.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, cilt.17, sa.11, ss.7835-7842, 2017 (SCI-Expanded)
- XV. **Mechanical and biological properties of Al₂O₃ and TiO₂ co-doped zirconia ceramics**
Agac O., Gozutok M., TÜRKOĞLU ŞAŞMAZEL H., ÖZTÜRK A., PARK J.
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- XVI. **MoS₂-nanosheet/graphene-oxide composite hole injection layer in organic light-emitting diodes**
Park M., Thang Phan Nguyen T. P. N., Choi K. S., PARK J., ÖZTÜRK A., Kim S. Y.
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- XVII. **A study on microstructural characterization of the interface between apatite-wollastonite based glass ceramic and feldspathic dental porcelain**
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- XVIII. **Synthesis and enhanced photocatalytic activity of molybdenum, iron, and nitrogen triple-doped titania nanopowders**
Erdogan N., PARK J., ÖZTÜRK A.
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- XIX. **Hydrothermal synthesis of 3D TiO₂ nanostructures using nitric acid: Characterization and evolution mechanism**
Erdogan N., ÖZTÜRK A., PARK J.
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- XX. **Effect of initial water content and calcination temperature on photocatalytic properties of TiO₂ nanopowders synthesized by the sol-gel process**
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- XXI. **Synthesis and characterization of hydrothermally grown potassium titanate nanowires**
Kapusuz D., Kalay Y. E., Park J., Öztürk A.
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- XXII. **Silver-loaded TiO₂ powders prepared through mechanical ball milling**
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- XXIII. **Boron and zirconium co-doped TiO₂ powders prepared through mechanical ball milling**
Tokmakci T., ÖZTÜRK A., PARK J.
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- XXIV. **Sol-gel synthesis and photocatalytic activity of B and Zr co-doped TiO₂**
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- XXV. **Properties of alinite cement produced by using soda sludge**
Kesim A. G., TOKYAY M., YAMAN İ. Ö., ÖZTÜRK A.
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- XXVI. **BIOACTIVITY OF APATITE-WOLLASTONITE GLASS-CERAMICS PRODUCED BY MELTING CASTING**

- PARK J., ÖZTÜRK A.
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- XXVII. **Silicon carbide particle embedded magnesium oxychloride cement composite bricks for polishing of porcelain stoneware tiles**
ÖZTÜRK A., Timucin M.
ADVANCES IN APPLIED CERAMICS, cilt.110, sa.7, ss.400-408, 2011 (SCI-Expanded)
- XXVIII. **Production and characterization of magnesium oxychloride cement bricks for fine polishing of porcelain stoneware tiles**
ÖZER M. B., ÖZTÜRK A., Timucin M.
INDUSTRIAL CERAMICS, cilt.31, sa.2, ss.89-98, 2011 (SCI-Expanded)
- XXIX. **Preparation and photocatalytic activity of apatite-precipitated TiO₂**
Soysal K., PARK J., You S. H., Shin D. W., Bae W. T., ÖZTÜRK A.
JOURNAL OF CERAMIC PROCESSING RESEARCH, cilt.12, sa.2, ss.176-182, 2011 (SCI-Expanded)
- XXX. **Tribological behavior of alumina-added apatite-wollastonite glass-ceramics in simulated body fluid**
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- XXXI. **FRICITION AND WEAR BEHAVIOR OF SELECTED DENTAL CERAMICS**
PARK J., PEKKAN G., ÖZTÜRK A.
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- XXXII. **Preparation of a transparent hydrophilic TiO₂ thin film photocatalyst**
Chun H., Park S., You S., Kang G., Bae W., Kim K., Park J., ÖZTÜRK A., Shin D.
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- XXXIII. **Effect of microstructure on the tribological properties of apatite-wollastonite glass ceramic**
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- XXXIV. **Effect of TiO₂ addition on the crystallization and tribological properties of MgO-CaO-SiO₂-F₂O₅-F glasses**
Park J., ÖZTÜRK A.
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- XXXV. **Tribological properties of MgO-CaO-SiO₂-P₂O₅-F-based glass-ceramic for dental applications**
Park J., Ozturk A.
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- XXXVI. **Determination of the influence of TiO₂ on the elastic properties of a mica based glass ceramic by ultrasonic velocity measurements**
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- XXXVII. **Effects of liquid rubber modification on the behaviour of epoxy resin**
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- XXXVIII. **Influence of Ba(PO₃)(₂) additions on the refractive index and dispersions of fluoride glasses**
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- XXXIX. **Influence of particle size of glass powder on the crystallisation kinetic parameters of a fluorophosphate glass**
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- XL. **The influence of Ba(PO₃)(₂) on the formation characteristics of fluorophosphate glasses**
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- XLI. **Crystallization kinetics of fluorophosphate glasses .1. Effect of composition and heating rate**
Ozturk A.

- JOURNAL OF MATERIALS SCIENCE, cilt.32, sa.10, ss.2623-2627, 1997 (SCI-Expanded)
- XLII. **The influence of cyclic fatigue damage on the fracture toughness of carbon-carbon composites**
Ozturk A.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, cilt.27, sa.8, ss.641-646, 1996 (SCI-Expanded)
- XLIII. **MECHANICAL-BEHAVIOR OF A TIGHTLY WOVEN CARBON-CARBON COMPOSITE**
OZTURK A.
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, cilt.4, sa.3, ss.169-178, 1995 (SCI-Expanded)
- XLIV. **TENSILE FATIGUE BEHAVIOR OF TIGHTLY WOVEN CARBON CARBON COMPOSITES**
OZTURK A., MOORE R.
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Production and biological properties of nano porous glass microparticles for anticancer drug carrier**
Ertuş E. B., Gulbahce-Mutlu E., Alpa S., ÖZTÜRK A.
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- II. **Utilization of Robotics for Solar Cell Panel Cleaning and Maintenance**
Park H., Park H., ÖZTÜRK A., Khan M. U.
Selçuk Üniversitesi Mühendislik Bilim ve Teknoloji Dergisi, cilt.7, sa.4, ss.768-775, 2019 (Hakemli Dergi)
- III. **Synthesis of Photocatalytic Titanium Dioxide Nanopowders Using Different Acid Catalysts**
Mohammed A. H. M., PARK J., ÖZTÜRK A.
International Journal of Mechanical and Production Engineering, cilt.6, sa.10, ss.48-51, 2018 (Hakemli Dergi)
- IV. **TiO₂ FILMS WITH VARIOUS CRYSTAL STRUCTURES FOR SINGLE AND BILAYER PHOTOANODES OF DYE-SENSITIZED SOLAR CELLS**
ERDOĞAN N., PARK J., ÖZTÜRK A.
Eskişehir Technical University Journal of Science and Technology B-Theoretical Sciences, cilt.6, sa.2, ss.235-242, 2018 (Hakemli Dergi)
- V. **Effect of porosity on the efficiency of DSSC produced by using nano size TiO₂ powders**
BİLGİN N., PARK J., ÖZTÜRK A.
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- VI. **Effect of H₂O TEOT Ratio on Photocatalytic Activity of Sol Gel Derived TiO₂ Powder**
LÜTFİ A., KAPUSUZ D., PARK J., ÖZTÜRK A.
Nanomaterials and Energy, cilt.2, sa.6, ss.280-287, 2013 (ESCI)
- VII. **Production of Potassium Titanate Whisker Reinforced Dental Composites**
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- VIII. **Production and Properties of Apatite Wollastonite Ceramics for Biomedical Applications**
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- IX. **Microstructure and indentation fracture toughness of mica glass ceramics**
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- X. **Influence of Particle Size of Glass Powder on the Crystallization Kinetic Parameters of Fluorophosphate Glasses**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Preparation, Characterization, and Photocatalytic Activity of Solar Light Sensitive g-C₃N₄/TiO₂ Heterojunction Nanocomposites**
ÖZTÜRK A.
SERES'21 V. International Ceramic, Glass, Porcelain Enamel, Glaze and Pigment Congress, Eskişehir, Türkiye, 13 Ekim 2021
- II. **PREPARATION, CHARACTERIZATION, and PHOTOCATALYTIC ACTIVITY of SOLAR LIGHT SENSITIVE g-C₃N₄/TiO₂ NANOCOMPOSITES**
Öztürk A.
SERES'21 V. International Ceramic, Glass, Porcelain Enamel, Glaze and Pigment Congress, Eskişehir, Türkiye, 13 - 15 Ekim 2021
- III. **Yttria Stabilized Zirconia/Clay Composites for Dental Applications**
Tufan Y., Park J., Öztürk A., Ercan B.
the 31st Conference of the European Society for Biomaterials (ESB2021), Porto, Portekiz, 5 - 09 Eylül 2021
- IV. **Preparation and Photocatalytic Activity of Solar Light Sensitive g-C₃N₄/TiO₂ Heterojunction Nanocomposites**
GÜNDOĞMUŞ P., PARK J., ÖZTÜRK A.
20. Uluslararası Metalurji ve Malzeme Kongresi, İstanbul, Türkiye, 10 Haziran 2021
- V. **Mechanical and Biological Properties of Tooth Colored Zirconia Ceramics Developed for Dental Applications**
ÖZTÜRK A.
Uluslararası katılımlı X. Seramik Kongresi, Afyon, Türkiye, 14 - 16 Ekim 2019
- VI. **Tribological Properties of Phase Separated Sodium Borosilicate Glasses**
ERTUŞ E. B., AHMETOĞLU Ç. V., ÖZTÜRK A.
19. Uluslararası Metalurji ve Malzeme Kongresi, İstanbul, Türkiye, 25 - 27 Ekim 2018, cilt.1, ss.408-411
- VII. **Production of Photocatalytically Active TiO₂ – P2O₅ Glasses by the Sol-gel Process**
öztürk Y. C., Bouziani A., EFE M., PARK J., KALEM V., ÖZTÜRK A.
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