

Prof. Gültekin Göller

Personal Information

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Biography

Prof. Dr. Gultekin Goller is a materials science professor who graduated from Istanbul Technical University in 1989 with a B.S. in Metallurgical Engineering. In 1997, he received his Ph.D. in the field of Metallurgical and Materials Engineering from Istanbul Technical University. He attended to the Tribology Group of Cleveland State University in 1995 as a UNIDO fellow for the PhD level studies. He joined to the Metallurgical and Materials Engineering Department of ITU in 1999 as an assistant professor. Professor Goller was promoted to associate professor in 2005 and became a full professor in 2010. His research fields include Modern Armour Systems, High Entropy Alloys, Refractory Metals and Alloys (TZM alloys), Ceramic and Composite Materials (ultra-high temperature ceramics and composites, bioactive and bioinert ceramics and composites, polymeric matrix composites), Glass and Glass Ceramics, Biomaterials, Synthesis of High Technology Ceramic Powders, Plasma Spray Coating Process (thermal barrier coatings) and Spark Plasma Sintering (SPS) Technique (Boride, carbide, nitride based monolithic and composite materials), Characterization of Materials (X-Ray and Electron Microscopy). Prof. Dr. Gultekin Goller is the founder of Biomaterials Research and Characterization Laboratory, Laser Cutting and Welding Laboratory, Composite Material Production Laboratory and Spark Plasma Sintering Laboratories in Istanbul Technical University Metallurgy and Materials Engineering Department. Prof. Dr. Gultekin Goller has supervised 7 completed and 6 ongoing PhD studies; 32 completed, 4 ongoing graduate studies. As a date of June 2023, his professional and scientific activity comprises: papers, which are cited over 2182 times (h index = 25; As of June 2023), published in science citation index journals (119); papers published in international peer-review periodicals (7); the proceedings of international or national conferences (130); participating in different international or national research projects (47); author of 2 international book chapter; member of the scientific committee of different meetings; head of the organizing committee for different international conferences; member of the International Editorial Board of some journals; and reviewer for different journals. Prof. Dr. Gultekin Goller served as a chair of Metallurgical and Materials Engineering Department between 2010-2013, and contributed to the Ministry of Defence R&D Technologies Division, Material Processes and Technologies Panels as a university representative on 2010-2016. In 2019, Prof. Goller established a company called "GG Materials Technologies" at ITU ARI Teknokent operating in the field of production and characterization of modern armour systems and advanced materials. Prof. Goller has been acted as an international expert in the accreditation studies of the Materials Science doctoral program of the Romanian Agency for Quality Assurance in Higher Education (ARACIS) since 2021. Prof. Goller has been included in the list of the most influential scientists (top 2%) carried out by Stanford University created according to the calculation of the citation numbers, H-index values, co-authorships and career-long impact factors of the scientists. Prof. Dr. Gultekin Goller has awarded an Doctor Honoris Causa title for his outstanding work in Material Science and Engineering by Bucharest Polytechnic University in 2022. Prof. Dr. Gultekin Goller has awarded the "Pro Scientia et Innovatio" Medal of Honor, which has given to encourage and reward scientists, inventors or people who have achieved extraordinary

achievements in various fields, on the 15th anniversary of the Romanian Inventory Forum in 2023.

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), Turkey 1992 - 1997

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), Turkey 1989 - 1992

Undergraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 1984 - 1989

Foreign Languages

English

Dissertations

Doctorate, Metal İnfiltrate Edilmiş Mikro Poroz Karbon Kompozitlerin Aşınma ve Sürtünme Davranışının Karakterizasyonu, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), 1997
Postgraduate, Bor karbür oluşum koşullarının belirlenmesi ve toz karakterizasyonu, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), 1992

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Composites, Material Characterization, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2010 - Continues
Associate Professor, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2005 - 2010
Assistant Professor, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 1998 - 2004
Research Assistant, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 1989 - 1998

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), 2010 - 2013
İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2010 - 2013
İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2004 - 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- Comparative investigation of the properties of graphene nanoplatelet reinforced titanium diboride and niobium diboride ceramics**

Akın Karadayı İ., Ocak B. C., Akarsu M. K., Yücel O., Şahin F., Göller G.

International Journal of Refractory Metals and Hard Materials, vol.103, 2022 (SCI-Expanded)

- II. **Comparative study of reactive and nonreactive spark plasma sintering routes for the production of TaB₂-TaC composites**
Kaplan Akarsu M., Akin Karadayı İ., Şahin F., Göller G.
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, vol.19, no.1, pp.332-343, 2022 (SCI-Expanded)
- III. **Investigation of the effects of varying amount of graphene nanoplatelets' (GNPs) addition on carbon nanotubes (CNTs) reinforced boron carbide produced by spark plasma sintering**
Balci E., Yavaş B., Göller G.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.57, no.5, pp.1435-1444, 2021 (SCI-Expanded)
- IV. **Optimization and characterization of poly(epsilon-caprolactone) nanofiber mats doped with bioactive glass and copper metal nanoparticles**
Aktürk A., Erol-Taygun M. M., Göller G., Kucukbayrak S.
CHEMICAL PAPERS, vol.75, no.11, pp.5929-5943, 2021 (SCI-Expanded)
- V. **Investigation the effect of FeNiCoCrMo HEA addition on properties of B₄C ceramic prepared by spark plasma sintering**
Ocak B. C., Göller G.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.41, no.13, pp.6290-6301, 2021 (SCI-Expanded)
- VI. **Functional Design to Protect TZM Alloy Against Oxidation**
Yavaş B., Göller G.
OXIDATION OF METALS, vol.95, no.5-6, pp.389-407, 2021 (SCI-Expanded)
- VII. **Phase analysis, mechanical properties and in vitro bioactivity of graphene nanoplatelet-reinforced silicon nitride-calcium phosphate composites**
Bozkurt D., Akarsu M. K., Akin Karadayı İ., Göller G.
JOURNAL OF ASIAN CERAMIC SOCIETIES, vol.9, no.2, pp.471-486, 2021 (SCI-Expanded)
- VIII. **Optimization of the electrospinning process variables for gelatin/silver nanoparticles/bioactive glass nanocomposites for bone tissue engineering**
Akturk A., Erol Taygun M. M., Göller G.
Polymer Composites, vol.41, no.6, pp.2411-2425, 2020 (SCI-Expanded)
- IX. **Microstructural and tribological characterization of molybdenum-molybdenum carbide structures produced by spark plasma sintering**
Cekli C., Göller G.
INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, vol.110, no.11, pp.1039-1046, 2019 (SCI-Expanded)
- X. **Microstructural and magnetic characteristics of ceramic dispersion strengthened sintered stainless steels after thermal ageing**
Balazsi C., Ben Zine H. R., Furko M., Czigan Z., Almasy L., Ryukhtin V., Murakami H., Göller G., Yücel O., Şahin F., et al.
FUSION ENGINEERING AND DESIGN, vol.145, pp.46-53, 2019 (SCI-Expanded)
- XI. **Production and characterization of TZM based TiC or ZrC reinforced composites prepared by spark plasma sintering (SPS)**
Tuzemen C., Yavaş B., Akin Karadayı İ., Yücel O., Şahin F., Göller G.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.781, pp.433-439, 2019 (SCI-Expanded)
- XII. **Effects of SiC and SiC-GNP additions on the mechanical properties and oxidation behavior of NbB₂**
Akin Karadayı İ., Ocak B. C., Şahin F., Göller G.
JOURNAL OF ASIAN CERAMIC SOCIETIES, vol.7, no.2, pp.170-182, 2019 (SCI-Expanded)
- XIII. **Fabrication of antibacterial polyvinylalcohol nanocomposite mats with soluble starch coated silver nanoparticles**
Aktürk A., Taygun M. M., Guler F. K., Göller G., Kucukbayrak S.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.562, pp.255-262, 2019 (SCI-Expanded)
- XIV. **A novel approach to boriding of TZM by spark plasma sintering method**
Yavaş B., Göller G.
INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS, vol.78, pp.273-281, 2019 (SCI-Expanded)
- XV. **Synthesis and antifungal activity of soluble starch and sodium alginate capped copper nanoparticles**

Aktürk A., Guler F. K., Taygun M. M., Göller G., Kucukbayrak S.

Materials Research Express, vol.6, no.12, 2019 (SCI-Expanded)

- XVI. **Surface deterioration of monolithic CAD/CAM restorative materials after artificial abrasive toothbrushing**
Sen N., Tuncelli B., Göller G.
JOURNAL OF ADVANCED PROSTHODONTICS, vol.10, no.4, pp.271-278, 2018 (SCI-Expanded)
- XVII. **The Sintering Behaviour and Mechanical Properties of Hydroxyapatite - Based Composites for Bone Tissue Regeneration**
Tecu C., Antoniac A., Göller G., GÖK M. G., Manole M., Mohan A., Moldovan H., Earar K.
REVISTA DE CHIMIE, vol.69, no.5, pp.1272-1275, 2018 (SCI-Expanded)
- XVIII. **Spark plasma sintered ZrC-TiC-GNP composites: Solid solution formation and mechanical properties**
OCAK B. C., Yavaş B., Akin İ., Şahin F., Göller G.
Ceramics International, vol.44, no.2, pp.2336-2344, 2018 (SCI-Expanded)
- XIX. **Microstructural, mechanical and thermal properties of Al₂O₃/CYSZ functionally graded thermal barrier coatings**
Kırbıyık F., Gok M. G., Göller G.
SURFACE & COATINGS TECHNOLOGY, vol.329, pp.193-201, 2017 (SCI-Expanded)
- XX. **Spark plasma sintering and characterization of ZrC-TiB₂ composites**
Ozturk O. O., Göller G.
CERAMICS INTERNATIONAL, vol.43, no.11, pp.8475-8481, 2017 (SCI-Expanded)
- XXI. **Microstructural characterization of GZ/CYSZ thermal barrier coatings after thermal shock and CMAS plus hot corrosion test**
GOK M. G., Göller G.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.37, no.6, pp.2501-2508, 2017 (SCI-Expanded)
- XXII. **Processing and characterization of spark plasma sintered TZM alloy**
Danisman C. B., YAVAS B., YUCEL O., SAHIN F., Göller G.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.685, pp.860-868, 2016 (SCI-Expanded)
- XXIII. **Investigation the effect of B₄C addition on properties of TZM alloy prepared by spark plasma sintering**
Yavaş B., Göller G.
INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS, vol.58, pp.182-188, 2016 (SCI-Expanded)
- XXIV. **Production and characterisation of GZ/CYSZ alternative thermal barrier coatings with multilayered and functionally graded designs**
Gok M. G., Göller G.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.36, no.7, pp.1755-1764, 2016 (SCI-Expanded)
- XXV. **Development of Chitosan Hydroxyapatite Fibrinogen 3D Scaffolds For Bone Tissue Regeneration**
TÜRKMEN A. K., Simona C., Göller G.
Journal of the Australian Ceramic Society, vol.52, no.1, pp.34-41, 2016 (SCI-Expanded)
- XXVI. **Electrochemically designed interfaces: Hydroxyapatite coated macro-mesoporous titania surfaces**
Utku F. S., SECKIN E., Göller G., Tamerler C., Ürgen M. K.
APPLIED SURFACE SCIENCE, vol.350, pp.62-68, 2015 (SCI-Expanded)
- XXVII. **Microstructural evaluation of laser remelted gadolinium zirconate thermal barrier coatings**
Gok M. G., Göller G.
SURFACE & COATINGS TECHNOLOGY, vol.276, pp.202-209, 2015 (SCI-Expanded)
- XXVIII. **Processing, Mechanical and Nuclear Characterization of Boron Carbide Ceramics Consolidated by Spark Plasma Sintering**
Cengiz M., Özer S. S., BUYUK B., TUGRUL A. B., Yücel O., Göller G., Şahin F.
ACTA PHYSICA POLONICA A, vol.128, 2015 (SCI-Expanded)
- XXIX. **Radiation Shielding Properties of Spark Plasma Sintered Boron Carbide-Aluminium Composites**
Buyuk B., TUGRUL A. B., CENGİZ M., Yücel O., Göller G., Şahin F.

ACTA PHYSICA POLONICA A, vol.128, 2015 (SCI-Expanded)

- XXX. **Effect of particle size, heating rate and CNT addition on densification, microstructure and mechanical properties of B4C ceramics**
Yavaş B., Şahin F., YÜCEL O., GOLLER G.
CERAMICS INTERNATIONAL, vol.41, no.7, pp.8936-8944, 2015 (SCI-Expanded)
- XXXI. **Protein-mediated hydroxyapatite composite layer formation on nanotubular titania**
Utku F. S., Yuca E., SECKIN E., Göller G., KARATAS A. Y., URGEN M., Tamerler C.
BIOINSPIRED BIOMIMETIC AND NANOBOMATERIALS, vol.4, no.2, pp.155-165, 2015 (SCI-Expanded)
- XXXII. **Carbonated hydroxyapatite deposition at physiological temperature on ordered titanium oxide nanotubes using pulsed electrochemistry**
Utku F. S., SECKIN E., Göller G., Tamerler C., Ürgen M. K.
CERAMICS INTERNATIONAL, vol.40, no.10, pp.15479-15487, 2014 (SCI-Expanded)
- XXXIII. **Processing and characterization of CYSZ/Al₂O₃ and CYSZ/Al₂O₃ + YSZ multilayered thermal barrier coatings**
Dokur M. M., Göller G.
SURFACE & COATINGS TECHNOLOGY, vol.258, pp.804-813, 2014 (SCI-Expanded)
- XXXIV. **Spark plasma sintered Al₂O₃-YSZ-TiO₂ composites: Processing, characterization and in vivo evaluation**
Ormanci O., AKIN İ., Şahin F., YÜCEL O., SIMON V., CAVALU S., GOLLER G.
Materials Science and Engineering C, vol.40, pp.16-23, 2014 (SCI-Expanded)
- XXXV. **Surface modification of alumina/zirconia ceramics upon different fluoride-based treatments**
Cavalu S., BANICA F., SIMON V., AKIN İ., Göller G.
International Journal of Applied Ceramic Technology, vol.11, no.2, pp.402-411, 2014 (SCI-Expanded)
- XXXVI. **Densification Behavior and Mechanical Properties of Spark Plasma Sintered ZrC-SiC and ZrC-SiC-CNT Composites**
Sagdic S., Göller G.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.50, no.2, pp.76-82, 2014 (SCI-Expanded)
- XXXVII. **Spark plasma sintering of monolithic TiB₂ ceramics**
Turan A., Şahin F., Göller G., Yücel O.
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.15, no.6, pp.464-468, 2014 (SCI-Expanded)
- XXXVIII. **Spark plasma sintering of monolithic TiB₂ceramics**
TURAN A., Şahin F., GÖLLER G., YÜCEL O.
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.15, no.6, pp.464-468, 2014 (SCI-Expanded)
- XXXIX. **Improving Osseointegration of Alumina Zirconia Ceramic Implants by Fluoride Surface Treatment**
Göller G.
Digest Journal of Nanomaterials and Biostructures, vol.9, no.2, pp.797-808, 2014 (SCI-Expanded)
- XL. **Spark Plasma Sintering of Boron Carbide Ceramics Using Different Sample Geometries and Dimensions**
Göller G., ŞAHİN F., YÜCEL O., Celik Y., YAVAŞ B., Cengiz M.
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.260-262, 2014 (SCI-Expanded)
- XLI. **Consolidation of TiB₂ Ceramic by Using Spark Plasma Sintering**
turan a., ŞAHİN F., Göller G.
TMS 2014 SUPPLEMENTAL PROCEEDINGS, vol.0, 2014 (SCI-Expanded)
- XLII. **Processing and mechanical characterisation of monolithic silicon carbide ceramic consolidated by spark plasma sintering (SPS)**
Unlu M. D., GOLLER G., YÜCEL O., Sahin F.
INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, vol.104, no.12, pp.1240-1246, 2013 (SCI-Expanded)
- XLIII. **Micro structural and mechanical investigation of hydroxyapatite zirconia nanocomposites prepared by spark plasma sintering**
Gergely G., Sahin F., GOLLER G., YÜCEL O., BALAZSI C.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.33, no.12, pp.2313-2319, 2013 (SCI-Expanded)

- XLIV. **Surface Modification of Thermal Barrier Coatings by Single-Shot Defocused Laser Treatments**
Akdogan V., DOKUR M. M., Göller G., KELES Ö.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.22, no.9, pp.2500-2509, 2013 (SCI-Expanded)
- XLV. **Bioactivity characterization and a full factorial design on the adhesive strength of air plasma sprayed HA-TiO₂ Coated Ti**
Zumrut Z., Polat B., Akın Karadayı İ., Keleş Ö., Göller G.
Journal of the Australian Ceramic Society, vol.49, no.2, pp.95-103, 2013 (SCI-Expanded)
- XLVI. **Evaluation of air-particle abrasion of Y-TZP with different particles using microstructural analysis**
Turp V., SEN D., TUNCELLI B., Göller G., Oezcan M.
AUSTRALIAN DENTAL JOURNAL, vol.58, no.2, pp.183-191, 2013 (SCI-Expanded)
- XLVII. **Microscopic and spectroscopic investigation of bioactive glasses for antibiotic controlled release**
Cavalu S., BANICA F., GRUIAN C., VANEA E., Göller G., SIMON V.
JOURNAL OF MOLECULAR STRUCTURE, vol.1040, pp.47-52, 2013 (SCI-Expanded)
- XLVIII. **Densification behavior and mechanical properties of spark plasma-sintered ZrC-TiC and ZrC-TiC-CNT composites**
Acicbe R. B., Göller G.
JOURNAL OF MATERIALS SCIENCE, vol.48, no.6, pp.2388-2393, 2013 (SCI-Expanded)
- XLIX. **The Spark Plasma Sintering of Silicon Carbide Ceramics Using Alumina**
Ünlü m. d., Göller G., YÜCEL O.
ACTA PHYSICA POLONICA A, vol.0, 2013 (SCI-Expanded)
- L. **Adherence Properties of Acrylic Bone Cement to Alumina Ceramics Designed for Clinical Applications**
cavalu s., simon v., AKIN KARADAYI İ., Göller G.
ACTA PHYSICA POLONICA A, vol.0, 2013 (SCI-Expanded)
- LI. **Bioactivity Characterization and a Full Factorial Design on the Adhesive Strength of Air Plasma Sprayed HA TiO₂ Coated Ti**
Göller G.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.49, no.2, pp.95-103, 2013 (SCI-Expanded)
- LII. **Assessment of the effects of heat input on microstructure and mechanical properties in laser beam welded Haynes 188 undermatched joints**
Odabasi A., Ünlü N., Göller G., KAYALI E. S., ERUSLU M. N.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.559, pp.731-741, 2013 (SCI-Expanded)
- LIII. **Evaluation of hardness and fracture toughness, coupled with microstructural analysis, of zirconia ceramics stored in environments with different pH values**
Turp V., TUNCELLI B., SEN D., Göller G.
DENTAL MATERIALS JOURNAL, vol.31, no.6, pp.891-902, 2012 (SCI-Expanded)
- LIV. **Spark plasma sintering of B₄C-SiC composites**
Sahin F., APAK B., AKIN İ., KANBUR H. E., GENCKAN D. H., TURAN A., GOLLER G., YUCEL O.
Solid State Sciences, vol.14, no.11-12, pp.1660-1663, 2012 (SCI-Expanded)
- LV. **Bioactivity and protein attachment onto bioactive glasses containing silver nanoparticles**
Vulpoi A., GRUIAN C., VANEA E., BAIA L., SIMON S., STEINHOFF H., Göller G., SIMON V.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, no.5, pp.1179-1186, 2012 (SCI-Expanded)
- LVI. **Effects of firing temperature on the physical properties of a bauxite-based refractory castable**
Goegtas C., Ünlü N., ODABASI A., SEZER L., GUNER S., Göller G., ERUSLU M. N.
REFRATORIES AND INDUSTRIAL CERAMICS, vol.53, no.1, pp.19-25, 2012 (SCI-Expanded)
- LVII. **Preface**
Kayali E. S., Göller G., Akın Karadayı İ.
Key Engineering Materials, vol.493-494, 2012 (SCI-Expanded)
- LVIII. **Mechanical and oxidation behavior of spark plasma sintered ZrB₂-ZrC-SiC composites**
Akin İ., Göller G.
Journal of the Ceramic Society of Japan, vol.120, no.1400, pp.143-149, 2012 (SCI-Expanded)

- LIX. **Effect of CeO₂ addition on densification and microstructure of Al₂O₃-YSZ composites**
Akin İ., YILMAZ E., Şahin F., YUCEL O., GÖLLER G.
Ceramics International, vol.37, no.8, pp.3273-3280, 2011 (SCI-Expanded)
- LX. **Influence of Zirconia Base and Shade Difference on Polymerization Efficiency of Dual-Cure Resin Cement**
Turp V., SEN D., POYRAZOĞLU E., TUNCELLI B., GÖLLER G.
JOURNAL OF PROSTHODONTICS-IMPLANT ESTHETIC AND RECONSTRUCTIVE DENTISTRY, vol.20, no.5, pp.361-365, 2011 (SCI-Expanded)
- LXI. **Comparative processing-structure-property studies of Al-Cu matrix composites reinforced with TiC particulates**
Kaftelen H., UNLU N., GÖLLER G., Öveçoğlu M. L., Henein H.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.42, no.7, pp.812-824, 2011 (SCI-Expanded)
- LXII. **ADSORPTION AND RELEASE STUDIES OF TETRACYCLINE FROM A BIOACTIVE GLASS**
Vanea E., Cavalu S., Banica F., Benyey Z., GÖLLER G., Simon V.
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol.56, no.3, pp.239-246, 2011 (SCI-Expanded)
- LXIII. **Mode of Occurrence and Mineralogical Aspects**
Karacık Z., GENÇ Ş. C., ESENLİ R. F., GÖLLER G.
Turkish Journal of Earth Sciences, vol.0, 2011 (SCI-Expanded)
- LXIV. **Bioactivity and antimicrobial properties of PMMA/Ag₂O acrylic bone cement collagen coated**
Cavalu S., Simon V., GÖLLER G., AKIN KARADAYI İ.
Digest Journal of Nanomaterials and Biostructures, vol.6, no.2, pp.779-790, 2011 (SCI-Expanded)
- LXV. **Microstructure and ferroelectric properties of spark plasma sintered Li substituted K_{0.5}Na_{0.5}NbO₃ ceramics**
Sen C., ALKAN B., AKIN İ., YUCEL O., SAHIN F. C., GÖLLER G.
Journal of the Ceramic Society of Japan, vol.119, no.1389, pp.355-361, 2011 (SCI-Expanded)
- LXVI. **Spectroscopic evidence of collagen electrodeposition on acrylic bone cement**
Cavalu S., Simon V., Banica F., Oswald I., Vanea E., AKIN KARADAYI İ., GÖLLER G.
Studia Universitatis Babes-Bolyai Chemia, vol.56, no.3, pp.27-33, 2011 (SCI-Expanded)
- LXVII. **BIOACTIVITY AND ANTIMICROBIAL PROPERTIES OF PMMA Ag₂O ACRYLIC BONECEMENT COLLAGEN COATED**
Göller G., AKIN KARADAYI İ., Simon V., Cavalu S.
DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, vol.6, no.2, pp.779-790, 2011 (SCI-Expanded)
- LXVIII. **The Gumuldur Fire Opal: Mode of Occurrence and Mineralogical Aspects**
Karacık Z., Genç Ş. C., Esenli F., GÖLLER G.
TURKISH JOURNAL OF EARTH SCIENCES, vol.20, no.1, pp.99-114, 2011 (SCI-Expanded)
- LXIX. **A Study on Laser Beam Welding (LBW) Technique: Effect of Heat Input on the Microstructural Evolution of Superalloy Inconel 718**
Odabasi A., UNLU N., GÖLLER G., ERUSLU M. N.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.9, pp.2357-2365, 2010 (SCI-Expanded)
- LXX. **Reactive Spark Plasma Sintering of Si₃N₄ Based Composites**
TAŞLIÇUKUR ÖZTÜRK Z., Şahin F., GÖLLER G., YÜCEL O., KUŞKONMAZ N.
Advances in Science and Technology, vol.1, no.62, pp.185-190, 2010 (SCI-Expanded)
- LXXI. **The Effect of Zirconia Addition on Crystallization Behaviour and Machinability of Potassium Mica and Fluorapatite Glass Ceramics**
Göller G.
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.29, no.4, pp.305-311, 2010 (SCI-Expanded)
- LXXII. **LASER BEAM WELDING OF HAYNES 188**
Göller G.
TMS 2010 139th Annual Meeting & Exhibition-Supplemental Proceedings, vol.0, pp.649-656, 2010 (SCI-Expanded)
- LXXIII. **The Effect of Zirconia Addition on Crystallization Behaviour and Machinability of Potassium Mica**

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Turkmen AK, Goller G, "Production and Characterization of HA/Chitosan 3D Scaffolds Prepared by Electrospinning", 6th International Conference of Biomaterials, Tissue Engineering & Medical Devices, (BiomMedD'14), (2014), Attendee, Romania, 2014

Goller G, "Densification Behavior and Mechanical Properties of Spark Plasma Sintered ZrC-Based Composites", APMAS 2013, 3rd International Advances in Applied Physics and Material Science Congress, Invited Speaker, (2013), Attendee, Turkey, 2014

Cavalu S, Simon V, Akin I, Goller G, "Adherence Properties of Acrylic Bone Cement to Alumina Ceramics Designed for Clinical Applications", 3rd International Congress on Advances in Applied Physics and Materials Science, (2014), Attendee, Antalya, Turkey, 2014

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Simon V, Ormanci O, Akin, I, Cavalu S, Goller G, "In Vivo Evaluation of Zirconia Toughened Alumina Ceramics" MS&T'12, Materials Science & Technology, 2012 Conference & Exhibition, (2012), Attendee, United States Of America, 2013

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Scholarships

Bir yıl süreli Birleşmiş Milletler Endüstriyel Kalkınma Teşkilatı Bursu, United Nations, 2001 - Continues

Non Academic Experience

Cleveland State University, Cleveland, ABD