

Personal Information

Email: yavuz.ozturk@ege.edu.tr

Education Information

Post Doctorate, Université Du Québec A Montréal, L'Institut National De La Recherche Scientifique (Inrs) , Canada 2010 - 2011

Doctorate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Y) (Tezli), Turkey 2003 - 2010

Post Graduate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Y) (Tezli), Turkey 2000 - 2003

Under Graduate, Ege Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1995 - 2000

Foreign Languages

English, C1 Advanced

Research Areas

Electrical and Electronics Engineering, Electronic, Optics and Photonics, Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Ege Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Ege Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2011 - 2018

Advising Theses

ÖZTÜRK Y., Elektro-optik endüstrisinde kullanılacak alev dayanıklı malzeme geliştirilmesi ve uygulaması, Doctorate, M.NİL(Student), 2018

ÖZTÜRK Y., Biyomedikal uygulamalar için fonksiyonel manyetik nanoparçacıkların üretimi ve polarizasyon optiği yöntemiyle karakterizasyonu, Post Graduate, S.KÖKLÜ(Student), 2016

ÖZTÜRK Y., Garnet esaslı manyetik sıvı üretilmesi, manyeto-optik özelliklerinin incelenmesi, Post Graduate, İ.YARİÇİ(Student), 2015

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

- **Research on a novel magnetic tilt sensor designed using Hall elements and ferrofluid**

ÖZTÜRK Y., Yarıci İ.

JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, vol.70, pp.406-411, 2019

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- **Experimental and numerical studies on improvement of heat transfer of OLED TVs**

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- **Applied magnetic field effect on core mode properties of MFPCF**
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- **Synergetic effect of antimony trioxide on the flame retardant and mechanical properties of polymer composites for consumer electronics applications**
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- **Self-mixing frequency measurement using a liquid filled container with elastic bottom**
PAK C., ARSLAN O., PAHNVAR A. J. , ÖZTÜRK Y.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.12, pp.146-150, 2018 (Journal Indexed in SCI)
- **A Simple Interferometric Configuration for Measurement of the Coefficient of Thermal Expansion of Selected Metals**
ÖZTÜRK Y., AKKAYA I., CEVIZCI E. B.
LASERS IN ENGINEERING, vol.41, pp.101-110, 2018 (Journal Indexed in SCI)
- **Analyses of particle size and magnetisation of magnetic nanoparticles via Minitab Statistical Software**
Yaman S., ÖZTÜRK Y.
MICRO & NANO LETTERS, vol.12, pp.784-786, 2017 (Journal Indexed in SCI)
- **Effect of pH and annealing temperature on the structural and magnetic properties of cerium-substituted yttrium iron garnet powders produced by the sol-gel method**
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- **Sub-wavelength terahertz beam profiling of a THz source via an all-optical knife-edge technique**
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- **Skirting terahertz waves in a photo-excited nanoslit structure**
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- **A magnetic non-reciprocal isolator for broadband terahertz operation**
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- **STRUCTURAL AND MAGNETIC PROPERTIES OF CERIUM-DOPED YTTRIUM-IRON GARNET THIN FILMS PREPARED ON DIFFERENT SUBSTRATES USING THE SOL-GEL PROCESS**
ÖZTÜRK Y., Erol M., Celik E., MERMER O., KAHRAMAN G., AVGIN İ.
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- **Terahertz Faraday rotation in a magnetic liquid: High magneto-optical figure of merit and broadband operation in a ferrofluid**
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Articles Published in Other Journals

- **Kutuplanmaya Bağlı Mikrodalga Plazma Etkileşiminin Floresan Lamba Dizisi ile İncelenmesi**
AKKAYA İ., ÖZTÜRK Y.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.7, pp.215-222, 2019 (Other Refereed National Journals)
- **Doku Fantom Üretimi ve Temel Optik Özelliklerinin Ölçümü**
AKKAYA İ., ENGİN M., ÖZTÜRK Y.
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- **INVESTIGATION OF DNA-MAGNETIC NANOPARTICLE INTERACTION BY MAGNETO-OPTICAL LINEAR DICHROISM**
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Book & Book Chapters

- **in: NANOSTRUCTURED MAGNETIC MATERIALS AND THEIR APPLICATIONS**
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THERMAL DECAY IN MAGNETIC NANOPARTICLES, B. AKTAŞ , L. TAGIROV, F. MIKAILOV, Editor, KLUVER ACADEMIC PUBLISHERS, pp.313-325, 2018
- **in: Advances in Nanoscale Magnetism**
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Cerium-Doped Yttrium Iron Garnet Thin Films Prepared by Sol-Gel Process: Synthesis, Characterization, and Magnetic Properties, , Editor, Springer Proceedings in Physics, 2007

Refereed Congress / Symposium Publications in Proceedings

- **Optical Power Measurement by using Piezo Microphone**
İNAN İ., ÖZDEMİR E. İ. , ÖZTÜRK Y.
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- **Çift taraflı ayrıntı halkalı rezonatör (çahr) üzerine parametrik çalışmalar**
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- **Plasma Frequency Selective Surface for GNSS Applications**
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- **A STUDY ON FERROFLUID CORED ADJUSTABLE INDUCTOR**
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- **Investigation of DNA-Magnetic Nanoparticle Interaction by Using Magneto-Optical Transmission and Linear Dichroism**
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- **Investigation of Optical Properties of Ferrofluid by Using Magneto-optical Transmission and Linear Dichroism**
AKYÜREKLİ M., Çelikoglu M. G. , BAYRAM A., YARICI İ., ÖZTÜRK Y.
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- **Investigation of Magneto-optical Linear Dichroism Property of the TMA Coated Magnetic Fluid**
KOKLU S. O. , YARICI İ., ÖZTÜRK Y.

6th International Conference on Nanomaterials - Applications & Properties (NAP), Lviv, Ukraine, 14 - 19 Eylül 2016

- **Tıbbi Tanılama İçin Faraday Esaslı Manyeto-Optik Yöntem ile In-Vitro Ortamda Glikoz Ölçümü**
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- **Glucose Measuring by Faraday Approach Based Magneto-Optical Method In-vitro Environment for Medical Diagnosis**
YARICI İ., CETINTAS B., PAHNVAR A. J. , ÖZTÜRK Y., ENGİN M.
19th National Biomedical Engineering Meeting (BIYOMUT), İstanbul, Turkey, 05 Kasım 2015, pp.1
- **Investigation Of Temperature Dependent Optical Activity Of alpha - Glucose**
RAHIMOV F., GYLYJOV S., EFTELİY., ÖZTÜRK Y., ENGİN M.
19th National Biomedical Engineering Meeting (BIYOMUT), İstanbul, Turkey, 5 - 06 Kasım 2015
- **Rectangular-shaped sub-wavelength terahertz beam profiling via an all-optical knife-edge technique**
HO S. P. , MAZHOROVA A., SHALABY M., PECCIANI M., CLERICI M., PASQUAZI A., Ozturk Y., ALI J., MORANDOTTE R.
Conference on Lasers and Electro-Optics (CLEO), San-Jose, Costa Rica, 8 - 13 Haziran 2014
- **Production And Characterization Of Cerium-Substituted Yttrium Iron Garnet Particles By Using Sol-Gel Process**
YARICI İ., ALPER B., EROL M., ÇELİK E., ÖZTÜRK Y.
INTERNATIONAL CONFERENCE ON NANOSCALE MAGNETISM (ICNM-2013), İstanbul, Turkey, 2 - 06 Eylül 2013
- **Manyeto-Optik Demir Garnetler Ve Uygulama Alanları**
ÖZTÜRK Y.
YOĞUN MADDE FİZİĞİ İZMİR TOPLANTISI, 2013, İzmir, Turkey, 05 Nisan 2013
- **A Non-Reciprocal Broadband Terahertz Isolator**
SHALABY M., PECCIANI M., ÖZTÜRK Y., MORANDOTTI R.
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- **ULTRAFast LASER-INDUCED SPIN DYNAMICS OF CERIUM AND BISMUTH CO-MODIFIED IRON GARNET THIN FILM**
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- **MAGNETO-OPTICAL ANALYSIS OF CERIUM AND BISMUTH SUBSTITUTED IRON GARNET THIN FILM**
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- **Polarization-sensitive Magnetic Field Induced Modulation of Broadband THz Pulses in Liquid**
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- **Preparation of magnetic field assisted CoFe₂O₄ nanoparticle by wet chemical route**
KÜÇÜKDERMENCİ S., ÖZTÜRK Y., USLAN F. K. , AVGIN İ.
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- **Investigation of human hand skin features by polarized light imaging**
ÖZTÜRK Y., ENGİN M., ENGİN E. Z. , BAYRAK A.
2010 15th National Biomedical Engineering Meeting, Antalya, Turkey, 21 - 24 Nisan 2010
- **Production, characterization and magnetic properties of Bismuth-substituted Yttrium Iron Garnet layers prepared by sol-gel process**
Erol M., ÖZTÜRK Y., AVGIN İ., Celik E.
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- **Cerium-Doped Yttrium Iron Garnet Thin Films Prepared by Sol-Gel Process: Synthesis, Characterization, and Magnetic Properties**
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- **AKIM ALGILAYICI UYGULAMASI İÇİN MANYETO-OPTİK ÖLÇÜM DÜZENEGİ**
ÖNEREN Ö., ÖZTÜRK Y.
ELECO 2008, Bursa, Turkey, 26 - 30 Kasım 2008
- **INFLUENCE OF THE CERIUM SUBSTITUTION INTO YTTRIUM IRON GARNET FILMS PREPARED BY SOL-GEL PROCESS**
ÖZTÜRK Y., EBEOĞLUGİL M. F. , ÇELİK E., AVGIN İ.
10th ECERS, Berlin, Germany, 17 - 21 Haziran 2007
- **MONTE CARLO SIMULATIONS OF MAGNETIC NANOPARTICLES**
ÖZTÜRK Y., AVGIN İ.
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Supported Projects

ÖZTÜRK Y., KAHRAMAN G., YARIÇI İ., Project Supported by Higher Education Institutions, DNA VE MANYETİK SIVI ETKİLEŞİMİNİN OPTİKSEL YÖNTEMLERLEİNCELENMESİ, 2017 - 2020

ÖZTÜRK Y., YARIÇI İ., Project Supported by Higher Education Institutions, BİYOMEDİKAL UYGULAMALAR İÇİN MANYETİK NANO PARÇACIKLARIN ÜRETİMİ, 2016 - 2019

Engin M., Kılınç M. E. , Engin E. Z. , Öztürk Y., Öztürk G., Özdemir F., TÜBİTAK - AB COST Project, Estimation of Tissue Hemoglobin Concentration and Oxygen Saturation by Self-Mixture Based (VCSEL) Functional Laser Imaging for Early Skin Cancer Diagnosis, 2014 - 2017

Engin E. Z. , Engin M., Öztürk Y., Arslan Ö., Akkaya İ., Project Supported by Higher Education Institutions, Tıbbi Tanılama İçin Optiksel Biyomedikal Görüntüleme, 2015 - 2016

Selim E., Engin M., Engin E. Z. , Öztürk Y., Kılınç M. E. , Çetinkalp Ş., Öztürk G., Akkaya İ., TUBİTAK Project, Medical Diagnosis; Prediction of Blood Sugar Concentration in In-vitro Conditions, 2014 - 2016

ÖZTÜRK Y., Project Supported by Higher Education Institutions, MANYETİK SIVI ÜRETİMİ VE MANYETO OPTİK ÖZELLİKLERİNİNÖLÇÜMÜ, 2013 - 2015

Engin E. Z. , Engin M., Öztürk Y., Project Supported by Higher Education Institutions, Optik Tabanlı Örselemesiz noninvasive Kan Şekeri Ölçüm Sistemi Gerçekleştirilmesi, 2011 - 2014

Citations

Total Citations (WOS):194

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