

Prof. AYŞEN YILMAZ

Personal Information

Email: ayilmaz@metu.edu.tr

Education Information

Doctorate, Middle East Technical University, Institute of Marine Sciences, Kimyasal Oşinografi Anabilim Dalı, Turkey 1982 - 1986

Post Graduate, Middle East Technical University, Institute of Marine Sciences, Kimyasal Oşinografi Anabilim Dalı, Turkey 1979 - 1982

Under Graduate, Hacettepe Üniversitesi, Kimya Fakültesi, Kimyagerlik Pr., Turkey 1973 - 1979

Dissertations

Doctorate, The Origin and the Nature of Humic Substances in the Marine Environment, Middle East Technical University, Institute of Marine Sciences, Kimyasal Oşinografi Anabilim Dalı, 1986

Post Graduate, Fluorescence Measurements in the Marine Environment, Middle East Technical University, Institute of Marine Sciences, Kimyasal Oşinografi Anabilim Dalı, 1982

Academic Titles / Tasks

Professor, Middle East Technical University, Institute of Marine Sciences, Kimyasal Oşinografi Anabilim Dalı, 1996 - Continues

Professional Experience

Head of Department, Middle East Technical University, Graduate School of Natural and Applied Sciences, Yer Sistem Bilimleri (Dr), 2013 - Continues

University Executive Board Member, Middle East Technical University, Kaynak Teknolojisi Ve Takribatsız Muayene Uygulama Ve Araştırma Merkezi, 2003 - Continues

Director of Vocational School, Middle East Technical University, Vocational School, 2003 - Continues

University Executive Board Member, Middle East Technical University, Sürekli Eğitim Merkezi, 2003 - 2016

Assistant Director of the Institute, Middle East Technical University, Institute of Marine Sciences, 1989 - 1990

Advising Theses

YILMAZ A., YÜCEL İ., Climate change and futureproofing infrastructure: Etimesgut, Ankara case study, Doctorate, S.ORUÇ(Student), 2018

YILMAZ A., YÜCEL M., Investigation of redox-dependent benthic nutrient and metal feedbacks under anoxia using early diagenetic modeling, Post Graduate, K.BİÇE(Student), 2018

YILMAZ A., SOYTAŞ U., The impact of information provision on the social acceptance of shale gas development, Post Graduate, G.DİLGE(Student), 2018

YILMAZ A., Modelling of carbon sink capacity of the Black Sea, Post Graduate, Y.CENGİZ(Student), 2016

ERCAN H., YILMAZ A., Climate change impacts on primary production and economically important fish stocks in the Black Sea, Post Graduate, S.KÜÇÜKAVŞAR(Student), 2013

YILMAZ A., Nitrogen cycling in the Black Sea, Post Graduate, Y.ÇOBAN(Student), 2003

YILMAZ A., Bio-optical characteristics of the mediterranean and the Black Sea, Post Graduate, C.VERDAGUER(Student), 1996

YILMAZ A., Interrelationships among primary production, chlorophyll and anvironmental conditions in the northern levantine basin, Doctorate, D.EDİGER(Student), 1995

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

- **Structural, photo, optical and thermal luminescent properties of beta barium metaborate**
Ifrazoglu S., YILMAZ A., BULUR E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.829, 2020 (Journal Indexed in SCI)
- **Tunable optical properties and DFT calculations of RE³⁺ codoped LaB₃ phosphors**
Hızal Abacı Ö. C. , Mete E., ESENTÜRK O., YILMAZ A.
OPTICAL MATERIALS, vol.98, 2019 (Journal Indexed in SCI)
- **Phytoplankton biomass, primary production and chemoautotrophic production of the Western Black Sea in April 2003**
Ediger D., Murray J. W. , YILMAZ A.
JOURNAL OF MARINE SYSTEMS, vol.198, 2019 (Journal Indexed in SCI)
- **Investigation of neutron sensitivity of un-doped and Dy-doped CaB₄O₇ for thermoluminescence applications**
Ifrazoglu S., YILMAZ A., KAFADAR V. E. , YAZICI A. N.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.133, pp.1327-1333, 2018 (Journal Indexed in SCI)
- **Assessing different sources of uncertainty in hydrological projections of high and low flows: case study for Omerli Basin, Istanbul, Turkey**
Engin B. E. , Yücel İ., Yılmaz A.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.189, 2017 (Journal Indexed in SCI)
- **A van der Waals density functional investigation of carboranethiol self-assembled monolayers on Au(111)**
Mete E., YILMAZ A., DANIŞMAN M. F.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.18, pp.12920-12927, 2016 (Journal Indexed in SCI)
- **Density functional theory investigation of carboranethiolcarboranethiolcarboranethiol self-assembled monolayers on Au(111)**
DANIŞMAN M. F. , METE E., Guney G., YILMAZ A.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.251, 2016 (Journal Indexed in SCI)
- **Synthesis and thermoluminescence properties of rare earth oxides (Y, Ce-Lu) doped lithium triborate**
Depci T., ÖZBAYOĞLU G., YILMAZ A.
JOURNAL OF RARE EARTHS, vol.29, pp.618-622, 2011 (Journal Indexed in SCI)
- **Effect of boron containing materials on flammability and thermal degradation of polyamide-6 composites containing melamine cyanurate**
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POLYMERS FOR ADVANCED TECHNOLOGIES, vol.22, pp.560-566, 2011 (Journal Indexed in SCI)
- **Implementation and performance of parallellised turbo decoders**
Erdin E., Kilcioglu C., YILMAZ A.
IET COMMUNICATIONS, vol.5, pp.39-50, 2011 (Journal Indexed in SCI)
- **Sulfated Zirconia Modified SBA-15 Catalysts for Cellobiose Hydrolysis**
Degirmenci V., ÜNER D., Cinlar B., Shanks B. H. , YILMAZ A., van Santen R. A. , Hensen E. J. M.
CATALYSIS LETTERS, vol.141, pp.33-42, 2011 (Journal Indexed in SCI)

- **Synergistic effect of boron containing substances on flame retardancy and thermal stability of intumescent polypropylene composites**
Dogan M, YILMAZ A, BAYRAMLI E.
POLYMER DEGRADATION AND STABILITY, vol.95, pp.2584-2588, 2010 (Journal Indexed in SCI)
- **Thermoluminescent properties of Sr₂P₂O₇ doped with copper and some rare earth elements**
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JOURNAL OF LUMINESCENCE, vol.130, pp.1744-1749, 2010 (Journal Indexed in SCI)
- **Comparison of Different Synthesis Methods to Produce Lithium Triborate and Their Effects on Its Thermoluminescent Property**
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METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, pp.2584-2594, 2010 (Journal Indexed in SCI)
- **Selective methane bromination over sulfated zirconia in SBA-15 catalysts**
Degirmenci V., YILMAZ A., ÜNER D.
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- **Collision Free Row Column S-random Interleaver**
GAZİ O., YILMAZ A.
IEEE COMMUNICATIONS LETTERS, vol.13, pp.257-259, 2009 (Journal Indexed in SCI)
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- **Oxidation States and the Acidity of Ordered Arrays of Co-Pb Mixed Oxide Nanoparticles Templated in SBA15**
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NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.266, pp.755-762, 2008 (Journal Indexed in SCI)
- **Comparison of linear and quadratic hexahedral edge elements in electromagnetic scattering problems**
YILMAZ A., Kuzuoglu M.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.62, pp.582-587, 2008 (Journal Indexed in SCI)
- **The effect of different starting materials on the synthesis of lithium triborate**
Depci T., Oezbayoglu G., YILMAZ A.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.41, pp.101-105, 2007 (Journal Indexed in SCI)
- **Preparation and characterization of ordered TiO₂ photocatalysts: films and mesoporous structures**
Erguen O., Karslioglu O., YILMAZ A., ÜNER D.
TURKISH JOURNAL OF CHEMISTRY, vol.31, pp.501-508, 2007 (Journal Indexed in SCI)
- **Vertical profiles of particulate organic matter and its relationship with chlorophyll-a in the upper layer of the NE Mediterranean Sea**
EDİGER D., Tugrul S., Yilmaz A.
JOURNAL OF MARINE SYSTEMS, vol.55, pp.311-326, 2005 (Journal Indexed in SCI)
- **The effect of cold and warm core eddies on the distribution and stoichiometry of dissolved nutrients in the northeastern Mediterranean**
YILMAZ A., TUĞRUL S.
Journal Of Marine Systems, vol.16, pp.253-268, 1998 (Journal Indexed in SCI Expanded)
- **PHYTOPLANKTON FLUORESCENCE AND DEEP CHLOROPHYLL MAXIMA IN THE NORTHEASTERN MEDITERRANEAN**
YILMAZ A., EDİGER D., BAŞTÜRK Ö., TUĞRUL S.

● OCEANOLOGICA ACTA, vol.17, pp.69-77, 1994 (Journal Indexed in SCI)

CHANGES IN THE HYDROCHEMISTRY OF THE BLACK-SEA INFERRED FROM WATER DENSITY PROFILES

TUĞRUL S., BASTURK O., SAYDAM C., YILMAZ A.

NATURE, vol.359, pp.137-139, 1992 (Journal Indexed in SCI)

Articles Published in Other Journals

● **Şekil Değiştiren Uçaklar Havacılıkta Yeni Bir Devrim Yaratabilir mi**

ÖZGEN S., GÜÇLÜ S., ŞAHİN M., YAMAN Y., BAYRAM G., ULUDAĞ Y., YILMAZ A.

Savunma ve Havacılık, vol.22126, pp.125-128, 2008 (National Non-Refereed Journal)

Refereed Congress / Symposium Publications in Proceedings

● **Synthesis and thermoluminescence characterization of copper and silver co-doped lithium tetraborate phosphors**

ÇELİK M. G. , Yazici N., YILMAZ A.

256th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nanoscience, Nanotechnology and Beyond, Massachusetts, United States Of America, 19 - 23 August 2018, vol.256

● **Carboranethiol self-assembled monolayers on gold surfaces**

Sohrabnia N., Yavuz A., YILMAZ A., DANIŞMAN M. F.

253rd National Meeting of the American-Chemical-Society (ACS) on Advanced Materials, Technologies, Systems, and Processes, San-Francisco, Costa Rica, 2 - 06 April 2017, vol.253

● **Development and Application of a Broadband Multilevel Fast Multipole Algorithm for Challenging Multiscale**

Karaosmanoglu B., YILMAZ A., ERGÜL Ö. S.

Progress in Electromagnetic Research Symposium (PIERS), Shanghai, China, 8 - 11 August 2016, pp.4713-4716

● **On the Accuracy and Efficiency of Surface Formulations in Fast Analysis of Plasmonic Structures via MLFMA**

Karaosmanoglu B., YILMAZ A., ERGÜL Ö. S.

Progress in Electromagnetic Research Symposium (PIERS), Shanghai, China, 8 - 11 August 2016, pp.2629-2633

● **Full-Wave Analysis of Three-Dimensional Optical Metamaterials Involving Deformed Nanowires**

Karaosmanoglu B., YILMAZ A., ERGÜL Ö. S.

9th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics (METAMATERIALS), Oxford, United Kingdom, 7 - 12 September 2015, pp.136-138

● **Turkish Solar Radiation Zones for Segmental Box Girder Bridge Design Under Temperature Gradient Loading**

YILMAZ A., Albostan U., CANER A., KURÇ Ö.

Istanbul Bridge Conference, Turkey, 11 - 13 August 2014, vol.9, pp.77-89

● **Joint Channel Estimation and Decoding with Low-Complexity Iterative Structures in Time-Varying Fading Channels**

Yapici Y., YILMAZ A.

20th IEEE Symposium on Personal, Indoor and Mobile Radio Communications, Tokyo, Japan, 13 - 16 September 2009, pp.1943-1947

● **Low-Complexity Iterative Channel Estimation and Tracking for Time-Varying Multi-Antenna Systems**

Yapici Y., YILMAZ A.

20th IEEE Symposium on Personal, Indoor and Mobile Radio Communications, Tokyo, Japan, 13 - 16 September 2009, pp.1317-1321

● **On parallelized serially concatenated codes**

GAZİ O., YILMAZ A.

IEEE Wireless Communications and Networking Conference, Hong Kong, PEOPLES R CHINA, 11 - 15 March 2007, pp.714-715

● **RF Coil Design for MRI Applications in Inhomogeneous Main Magnetic Fields**

YILMAZ A., Eyueboglu B. M.

World Congress on Medical Physics and Biomedical Engineering, Seoul, South Korea, 27 August - 01 September 2006, vol.14, pp.1480-1484

● **Cooperative Multiple-Access in Fading Relay Channels**

YILMAZ A.

IEEE International Conference on Communications (ICC 2006), İstanbul, Turkey, 11 - 15 June 2006, pp.4532-4537

Supported Projects

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YÜCEL İ., YILMAZ A., Project Supported by Higher Education Institutions, Yer Sistem Bilimleri Modelleme Araştırma Laboratuvarı Altyapı Projesi, 2012 - 2013

Citations

Total Citations (WOS):464

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