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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1982 - 1989

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2001 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1990 - 2001

Yrd.Doç.Dr., Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1991 - 1993

Öğretim Görevlisi Dr., Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1990 - 1991

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1979 - 1990

Yönetilen Tezler

AKINOĞLU B. G. , Development of the algorithm of solar TURnKEY: Solar electricity software for Turkey, Doktora, A.BUĞRAHAN(Öğrenci), 2018

ÖZDEMİR Ö., AKINOĞLU B. G. , Investigating preferences of households for residential photovoltaic systems: A survey study in Ankara, Turkey, Yüksek Lisans, E.ASLIHAK(Öğrenci), 2016

SOYTAŞ U., AKINOĞLU B. G. , Nuclear energy versus solar energy (Nuke vs. PV): The comparison of their economic feasibilities and environmental aspects for Turkey, Yüksek Lisans, A.BUĞRAHAN(Öğrenci), 2014

SOYTAŞ U., AKINOĞLU B. G. , Decarbonization of turkish public electricity sector: Adopting sustainable energy portfolio, Yüksek Lisans, H.ŞAHİN(Öğrenci), 2014

AKINOĞLU B. G. , Linking satellite imagery to bright sunshine hours for the estimation of global solar irradiation, Doktora, S.ENER(Öğrenci), 2013

YILMAZ İ. Ö. , AKINOĞLU B. G. , Analysis of sunshine duration between 1970 and 2010 for Turkey, Yüksek Lisans, U.YILDIRIM(Öğrenci), 2013

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- **Solar irradiation on the rear surface of bifacial solar modules: a modeling approach**
Durusoy B., ÖZDEN T., AKINOĞLU B. G.
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- **One-year performance evaluation of two newly developed back-contact solar modules in two different climates**
ÖZDEN T., Carr A. J., Geerligs B. (J.), TURAN R., AKINOĞLU B. G.
RENEWABLE ENERGY, cilt.145, ss.557-568, 2020 (SCI İndekslerine Giren Dergi)
- **Pressure dependence of the raman spectra of cdinals4 layer crystal**
HASANLI N., AKINOĞLU B. G. , Babaev S., Ibragimov Z.
High Pressure Research, cilt.13, ss.115-120, 1994 (SCI Expanded İndekslerine Giren Dergi)
- **Elastic Properties of GaS1–xSex Layer Mixed Crystals by Brillouin Scattering**
HASANLI N., AKINOĞLU B. G. , Ellialtıođlu Ş.
physica status solidi (b), cilt.177, 1993 (SCI İndekslerine Giren Dergi)

Kitap & Kitap Bölümleri

- **Fiziđin Temelleri 3 kitap**
AKINOĞLU B. G. , H Murat A.
Palme Yayınevi, Ankara, 2015

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Deep Learning Algorithm Applied to Daily Solar Irradiation Estimations**
Akbaba E. C. , YÜCE E., AKINOĞLU B. G.
6th International Renewable and Sustainable Energy Conference, Rabat, Malta, 5 - 08 Aralık 2018
- **Long and short term PV module and array performance calculations and feasibility studies**
AKINOĞLU B. G.
IRSEC'18 – 6th International Renewable and Sustainable Energy Conference, Rabat, Malta, 5 - 08 Aralık 2018
- **Determining Photovoltaic Module Performance and Comparisons**
Karaveli A. B. , ÖZDEN T., AKINOĞLU B. G.
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- **Thermal Modeling and Verification of PV Module Temperature and Energy Yield Using Outdoor Measurements for Ankara, Turkey**
Tuncel B., AKINOĞLU B. G. , ÖZDEN T., Balog R. S.
2018 International Conference on Photovoltaic Science and Technologies (PVCon), 4 - 06 Temmuz 2018
- **Daily and Monthly Module Temperature Variation for 9 Different Modules**
ÖZDEN T., Tolgay D., AKINOĞLU B. G.
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- **Performance and Degradation Analyses of two Different PV Modules in Central Anatolia**
ÖZDEN T., AKINOĞLU B. G. , Kurtz S.
2018 International Conference on Photovoltaic Science and Technologies (PVCon), 4 - 06 Temmuz 2018
- **Measurement of economic feasibility of photovoltaic power plants - application to Turkey**
Karaveli A. B. , AKINOĞLU B. G. , SOYTAŞ U.
2018 International Conference on Photovoltaic Science and Technologies, PVCon 2018, Ankara, Türkiye, 4 - 06 Temmuz 2018
- **The Role of Legislations and Incentives in the Growth of a PV Market in a Developing Country**
Karaveli A. B. , SOYTAŞ U., AKINOĞLU B. G.
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- **Approaching Net-Zero Energy Building Through Utilization of Building-Integrated Photovoltaics for Three Cities in Turkey-Preliminary Calculations**
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- **Correlations between the water levels of Lakes Beysehir and Marmara with sunshine duration and time series of sunspot numbers**
Yıldırım U., YILMAZ İ. Ö. , BEKLİOĞLU M., AKINOĞLU B. G.
7th GLOBALCONFERENCE on GLOBAL WARMING, İzmir, Türkiye, 24 - 26 Haziran 2018, ss.153-156
- **Recent advances in solar irradiation predictions as the input of solar system simulations: From Earth's surface measurements to satellite imagery From Angstrom correlation to ANN**
AKINOĞLU B. G.
5th International Renewable and Sustainable Energy Conference, 4 - 07 Aralık 2017
- **Seasonal Variation of the Monthly Efficiencies of Thin Film PV Modules**
ÖZDEN T., TURAN R., AKINOĞLU B. G.
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- **On the Yearly Performance of a Bifacial PV Module in Central Anatolia - Turkey**
ÖZDEN T., TURAN R., AKINOĞLU B. G.
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- **Evaluation and Comparisons of the Models to Calculate Solar Irradiation on Inclined Solar Panels for Ankara**
ÖZDEN T., AKINOĞLU B. G. , KARAVELİ A. B.
33rd European PV Solar Energy Conference and Exhibition - EU PVSEC 2017, 25 - 29 Eylül 2017, ss.2501-2504
- **Preliminary Investigations on Two Different Procedures to Calculate the Efficiency and Performance Ratio of PV Modules**
ÖZDEN T., AKINOĞLU B. G.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), 4 - 08 Ekim 2017, ss.225
- **Economic Analysis of a Typical Photovoltaic Power Plant in Turkey**
Karaveli A. B. , AKINOĞLU B. G. , SOYTAŞ U.
33rd European Photovoltaic Solar Energy Conference and Exhibition, 25 - 29 Eylül 2017, ss.2235-2239
- **Yenilenebilir Enerji Mümkün mü? Dünya ve Türkiye**
AKINOĞLU B. G.
Güneydoğu Enerji Forumu, Türkiye, 25 Mayıs 2017
- **GUNAM's Outdoor PV Test Facility, recent research results and future prospects**
AKINOĞLU B. G. , ÖZDEN T., TURAN R.
Desert PV Modules, 9 - 10 Mayıs 2017
- **Effect of Ambient Conditions on Monthly Performances of Three Different PV Arrays**
ÖZDEN T., AKINOĞLU B. G. , TURAN R.
11th ISES EuroSun Conference, Palma, İspanya, 11 - 14 Ekim 2016, ss.1266-1272
- **Estimation of diffuse component for two locations in Turkey**
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- **LONG TERM OUTDOOR TESTING OF TWO DIFFERENT THIN FILM PV MODULES IN ANKARA TURKEY**
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- **COMPARISON OF QUADRATIC AND LINEAR MODELS ON THE ESTIMATION OF DIFFUSE SOLAR RADIATION FOR FOUR LOCATIONS IN TURKEY**
Karaveli A. B. , AKINOĞLU B. G.
9th International Conference on Sustainable Energy & Environmental Protection, 21 Eylül 2016
- **INVESTIGATING THE FACTORS AFFECTING WILLINGNESS TO PAY FOR RESIDENTIAL PHOTOVOLTAIC SYSTEMS A SURVEY STUDY IN ANKARA TURKEY**
Aslihak E., ÖZDEMİR Ö., AKINOĞLU B. G.
9th International Conference on Sustainable Energy & Environmental Protection, 21 Eylül 2016
- **Outdoor efficiency analyses and comparison of on-grid CdTe and mu c-Si/a-Si thin-film PV systems for three years in Ankara - Turkey**
ÖZDEN T., Yardım U., AKINOĞLU B. G. , TURAN R.
3rd Turkish Solar Electricity Conference and Exhibition (SolarTR), Ankara, Türkiye, 27 - 29 Nisan 2015, cilt.12, ss.1283-1287
- **QUADRATIC VARIATION OF GLOBAL SOLAR RADIATION WITH BRIGHT SUNSHINE HOURS**
AKINOĞLU B. G.
2ND WORLD RENEWABLE ENERGY CONGRESS, İngiltere, 13 Eylül - 18 Ocak 1992, ss.2774-2778

Desteklenen Projeler

AKINOĞLU B. G. , YILMAZ A., Demirezen E., Özden T. (. D. D. , TURAN R., Yükseköğretim Kurumları Destekli Proje, Türkiye’de Büyük Ölçekli Güneş Enerjisi Santrallerinden Kaynaklı Olası “Isı Adası” Etkisinin İncelenmesi, 2017 - 2017

Atıflar

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