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UNESCO SUSTAINABLE DEVELOPMENT
GOALS (SDG) REPORT
SDG:7 AFFORDABLE AND CLEAN ENERGY



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**SDG:7 AFFORDABLE
AND CLEAN ENERGY**

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Introduction

Our university can access publications, projects, thesis and all other activities within the scope of sustainable development goals of UNESCO through its “Research Information System” (AVESIS)





Academic Activity List of Gazi University

Year : 2022 - 2022
End Year : 2022 - 2022

Etkinlik Organizasyonu

Record Count: 11

Sağrođlu Ő., LISANSSIZ GÜNEŐ ENERJİ SANTRALLERİ ULUSAL ÇALIŐTAYI, Çalıőtay Organizasyonu, Ankara, Türkiye, Eylül 2022 , National
İrmak E., 10th International Conference on Smart Grid, Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Haziran 2022 , International
Kayıőlı K., ICSMARTGRID 2022 10TH INTERNATIONAL CONFERENCE ON SMART GRID, Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Haziran 2022 , International
Kayıőlı K., ICRERA 2022 11TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS, Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Eylül 2022 , International
Dinler N., 16th International Combustion Symposium (INCOS2022) , Bilimsel Kongre / Sempozyum Organizasyonu, Aydın, Türkiye, Eylül 2022 , International
Sağrođlu Ő., 10TH INTERNATIONAL CONFERENCE ON SMART GRID (IEEE), Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Haziran 2022 , International
Sağrođlu Ő., 11TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS / IEEE, Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Eylül 2022 , International
İrmak E., 11th International Conference on Renewable Energy Research and Applications, Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Eylül 2022 , International
Sürücü G., INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS SCIENCE ENGINEERING AND HIGH TECHDEVICES APPLICATIONS EXHIBITION ICMATSE-2022, Bilimsel Kongre / Sempozyum Organizasyonu, Ankara, Türkiye, Ekim 2022 , International
Bülbül H. İ., INTERNATIONAL CONFERENCE ON RENEWABLE ENRGY AND APPLICATIONS (ICRERA), Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Eylül 2022 , International
Gümüő B. A., Özkan A., Tüfekçiođlu A., Elipek B., Tolunay D., Çapanođlu Güven E., Taőkın E., Çevik F., Güleryüz G., Sanyıldız T., et al., 7. ULUSAL ÇEVRE KONGRESİ, Bilimsel Kongre / Sempozyum Organizasyonu, Ankara, Türkiye, Aralık 2022 , National

Verdiđi Dersler

Record Count: 10

ALİ KÖSE, Teknik Bilimler Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, Ön Lisans, 2022 - 2023
BARIŐ KINACI, Uygulamalı Bilimler Fakültesi, Fotonik, Yüksek Lisans, 2022 - 2023
EZGİ GÜVEN YILDIRIM, Gazi Eđitim Fakültesi, Matematik ve Fen Bilimleri Eđitimi, Yüksek Lisans, 2022 - 2023
ERDAL İRMAK, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliđi, Doktora, 2022 - 2023
KORHAN KAYIŐLI, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliđi, Yüksek Lisans, 2021 - 2022

International Symposium on Energy Management and Sustainability, Çalışma Grubu, İstanbul, Türkiye, 2022 , International

Biyogüvenlik Çalıştay, Davetli Konuşmacı, Ankara, Türkiye, 2022 , National

Projeler

Record Count: 1

Eslek Koyuncu D. D., Sert B., TÜBİTAK Projesi, Suyun Elektrolizi ile Hidrojen Üretimi İçin Karbon destekli Mo İçerikli Katalizörler, 2022 - 2022 , National

Acikyildiz S., Cengiz Taplamacioglu M. C., Techno-Economic Analysis of Photovoltaic-Li-Ion Battery for Micro Grid Application: Case Study in Northern Cyprus, 9th International Conference on Electrical and Electronics Engineering, ICEEE 2022, Alanya, Türkiye, 29- 31 Mart 2022, ss.255-259 , International , Conference Paper
Ustun S., GÜRÜ M., Investigation of the effects of synthetic manganese additive and fusel oil-gasoline mixtures on performance and emissions in a spark ignition engine, JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, cilt.25, sa.1, ss.443-454, 2022 , International , Article
Omırgaliyev R., Zhakiyev N., Aitbayeva N., Akhmetbekov Y., Application of Machine Learning Methods for the Analysis of Heat Energy Consumption by Zones with a Change in Outdoor Temperature: Case Study for Nur-Sultan City, International Journal of Sustainable Development and Planning, cilt.17, sa.4, ss.1247-1257, 2022 , International , Article
Kumuk B., Alemu M. A., İLBAŞ M., Investigation of the effect of ion transition type on performance in solid oxide fuel cells fueled hydrogen and coal gas, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.47, sa.5, ss.3409-3415, 2022 , International , Article
Onar B., Demirbas Ş., A Survey on the Provision of Smooth Transition between Operation Modes in PV-BESS Microgrid, 10th International Conference on Smart Grid, icSmartGrid 2022, İstanbul, Türkiye, 27 - 29 Haziran 2022, ss.203-207 , International , Conference Paper
Akman T., YILMAZ C., SÖNMEZ Y., Short-term electric energy load forecasting of Ankara Region using artificial intelligence methods, JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, 2022 , International , Article
Şahin S., Niçin ve Nasıl Bir Coğrafya Eğitimi?, Coğrafya Eğitiminin Temel Eksenleri, Seret Karabağ, Salih Şahin, Editör, Pegem A Yayıncılık, Ankara, ss.1-20, 2022 , National , Book Chapter
Emre T., SÖZEN A., Energy Poverty Clustering by Using Power-cut Job Order Data of the Electricity Distribution Companies, International Journal of Energy Economics and Policy, cilt.12, sa.3, ss.401-409, 2022 , International , Article
Karabağ S. (Editör), Şahin S. (Editör), Coğrafya Eğitiminin Temel Eksenleri, Pegem A Yayıncılık, Ankara, 2022 , National , Book
Yaprak Kemalöglu P., Development Areas in Supporting Leisure, Physical Education and Sport Advancement: Interdisciplinary, Sociopolitical and Economic Approach (Invited Speech)), ICoSHR VI, Padang, Endonezya, 08 Ekim 2022, International , Conference Paper
Yaprak Kemalöglu P., Sustainable (Sport for) Development in Artificially Intelligent Societies: Ethical Ever After? (Invited Speech)), 1st International Conference on Sports Exercise and Health Sciences, Dera-İsmail-Khan, Pakistan, 25 - 26 Ekim 2022, ss.3 , International , Conference Paper

Kongre ve Sempozyum Katılımları	Record Count: 12
16th International Combustion Symposium (INCOS2022), Oturum Başkanı, Aydın, Türkiye, 2022 , International	
3rd International Conference on Smart Grid and Renewable Energy, Oturum Başkanı, Ar-Rayyan, Qatar, 2022 , International	
ICSMARTGRID 2022 10TH INTERNATIONAL CONFERENCE ON SMART GRID, Oturum Başkanı, İstanbul, Türkiye, 2022 , International	
CRERA 2022 11TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS, Oturum Başkanı, İstanbul, Türkiye, 2022 , International	
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3rd International Conference on Smart Grid and Renewable Energy, Katılımcı, Ar-Rayyan, Qatar, 2022 , International	
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6th International Hydrogen Technologies Congress IHTEC 6, Katılımcı, Çanakkale, Türkiye, 2022 , International	
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Gencer A., Sürücü G., Yoğunluk Fonksiyonel Teorisi İle Hidrojen Depolama Tekniklerinin Araştırılması, UNIKOP 9. Ulusal KOP Bölgesel Kalkınma Sempozyumu, Konya, Türkiye, 24 - 25 Ekim 2022, ss.1-2, National, Conference Paper
Younus H. A., Koçak C., Optimized Routing by Combining Grey Wolf and Dragonfly Optimization for Energy Efficiency in Wireless Sensor Networks, <i>APPLIED SCIENCES-BASEL</i> , cilt.12, sa.21, 2022, International, Article
Ertosun Yıldız M., Beyhan F., Uçar M. K., Enerji Verimli Bina Tasarımında Kural Tabanlı Yöntem Yardımıyla Isıtma ve Soğutma Yüklerinin Tahminlemesi, <i>ONLINE JOURNAL OF ART AND DESIGN</i> , cilt.10, sa.4, ss.73-80, 2022, International, Article
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Şekeroğlu A., Erol D., Methodology for spatial analysis of hybrid renewable energy potential, <i>MEGARON</i> , cilt.17, sa.3, ss.511-525, 2022, International, Article
Çağlayan G. H., Ar İ., Investigation on Performance Characters of Microbial Fuel Cell, 5th International Congress on Agriculture, Environment and Health, Aydın, Türkiye, 17 - 19 Şubat 2022, cilt.1, sa.15032022, ss.501-509, International, Conference Paper
Çağlayan G. H., Ar İ., Investigation on Performance Characters of Microbial Fuel Cells, 5th International Congress on Agriculture, Environment and Health, Aydın, Türkiye, 17 - 19 Şubat 2022, ss.510-519, International, Conference Paper
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ÇİMEN F. M., KÜMÜK B., İLBAŞ M., Simulation of hydrogen and coal gas fueled flat-tubular solid oxide fuel cell (FT-SOFC), <i>International Journal of Hydrogen Energy</i> , cilt.47, ss.3429-3436, 2022, International, Article
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Ergül H., KARAÇOR F., hatipoğlu s., Çubuk M. K., Yeni Bir Kent İçi Ulaşım Türü: E-scooter, Gazi Mühendislik Bilimleri Dergisi, cilt.8, sa.1, ss.60-73, 2022, National, Review
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YILDIZ K., TABAK Ç., YERLİKAYA M. A., EFE B., A Logistics Model Suggestion for A Logistics Centre to Be Established: An Application in Aegean and Central Anatolia Region, GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.35, ss.73-90, 2022, National, Article
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Satan A., Khamzina A., Toktarbayev D., Sotsial Z., Bapiyev I., Zhakiyev N., Comparative LSTM and SVM Machine Learning Approaches for Energy Consumption Prediction: Case Study in Akmol, 2022 International Conference on Smart Information Systems and Technologies, SIST 2022, Nur-Sultan, Kazakistan, 28 - 30 Nisan 2022, International, Conference Paper

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Gunduz H., SÖNMEZ Ş., AYASUN S., Identification of gain and phase margins based robust stability regions for a time-delayed micro-grid system including fractional-order controller in presence of renewable power generation, TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.30, sa.3, ss.1097-1115, 2022 , International , Article
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Ekinci E., Ekinci M. S., Synthesis of Biomass-Based Porous Carbon Materials For Supercapacitors, 4th Bioenergy Studies Symposium, Ankara, Türkiye, 26 - 27 Mayıs 2022 , International , Conference Paper
Duzgun B., Koksall M. A., BAYINDIR R., Assessing drivers of residential energy consumption in Turkey: 2000-2018, ENERGY FOR SUSTAINABLE DEVELOPMENT, cilt.70, ss.371-386, 2022 , International , Article
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Ar İ., Ceyhan Ö., BİYOGAZ VE BİYOGAZDAKİ SON GELİŞMELER, 8. INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS, İstanbul, Türkiye, 12 - 13 Mart 2022, ss.510-524, International, Conference Paper
Kecec K. B., KARYEYEN S., p>H-2- CH4 blending fuels combustion using a cyclonic burner on colorless distributed combustion/p>, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.47, sa.24, ss.12393-12409, 2022, International, Article
ÖZGÜR D., A novel 0D/2D/2D hetero-layered nitrogen-doped graphene/MoS2 architecture for catalytic hydrogen evolution reaction, FUEL, cilt.328, 2022, International, Review
Bamçid H., Benhami M., HARROUZ A., Abbas R., ÇOLAK İ., Bouazza F., Dumbrava V., KAYIŞLI K., Photovoltaic/Wind Hybrid System Power Stations to Produce Electricity in Adrar Region, 2022 10th IEEE International Conference on Smart Grid (icSmartGrid), İstanbul, Türkiye, 27 Haziran 2022, International, Conference Paper
Cetinkaya U., AVCI E., BAYINDIR R., Electricity Consumption Behaviors and Clustering of Distribution Grids in Terms of Demand Response, ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.50, sa.9-10, ss.498-515, 2022, International, Article
AYDIN K., Uğur L., GÜVERCİN S., GÜL F., Investigation of the machining performance of ferritic ductile cast iron in WEDM using response surface methodology, SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, cilt.40, sa.1, ss.95-107, 2022, International, Article
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ÇAKANYILDIRIM Ç., GÜRÜ M., NaBH4 hydrolysis performance and kinetic evaluation of synthetic Co-Mn-Pt catalyst prepared with different supports, JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.37, sa.1, ss.423-437, 2022, International, Article
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