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Eğitim Bilgileri

Post Doktora, University of Nottingham, Faculty Of Engineering, Institute Of Sustainable Energy Technologies, İngiltere
2014 - 2016

Doktora, The University of Nottingham, Faculty Of Engineering, Institute Of Sustainable Energy Technologies, İngiltere
2012 - 2014

Yüksek Lisans, University of London, Birbeck College, London Foundation Campus, Master's Foundation Programme
(Mfp) In Engineering, İngiltere 2011 - 2012

Yüksek Lisans, Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, Türkiye 2006 - 2009

Lisans, Bursa Uludağ Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, Türkiye 2002 - 2006

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Enerji, Alternatif Enerji Kaynakları, Enerji depolama teknolojileri, Güneş Enerjisi, İleri Enerji Teknolojileri, Termodinamik,
Isı ve Madde Transferi, Isıtma, Soğutma ve Havalandırma , Isıl Sistemler, Sayısal Analiz

Akademik Unvanlar / Görevler

Doç.Dr., Recep Tayyip Erdoğan Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2021 - Devam
Ediyor

Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Recep Tayyip Erdoğan Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Makine
Mühendisliği, 2020 - 2021

Yönetilen Tezler

Cüce E., Mert Cüce A. P. , Termoelektrik soğutucularda nanoakışkan kullanımının soğutma gücü ve temel performans parametreleri üzerine etkisi, Yüksek Lisans, T.GÜÇLÜ(Öğrenci), 2020

Cüce E., Mert Cüce A. P. , Boşluklu yapı elemanlarında geometrik optimizasyon ile ısı direncin iyileştirilmesi için termal stratejilerin geliştirilmesi, Yüksek Lisans, A.BURHANEDDİN(Öğrenci), 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Harmonic problems in renewable and sustainable energy systems: A comprehensive review**
Eroğlu H., Cüce E., Mert Cüce A. P. , Gül F., İskenderoğlu A.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.48, ss.101566, 2021 (SCI Expanded İndekslerine Giren Dergi)
- II. **Performance analysis of a novel solar desalination system – Part 2: The unit with sensible energy storage with thermal insulation and cooling system**
Mert Cüce A. P. , Cüce E., Tonyali A.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.48, ss.101674, 2021 (SCI Expanded İndekslerine Giren Dergi)
- III. **Thin film coated windows towards low/zero carbon buildings: Adaptive control of solar, thermal, and optical parameters**
Cüce E., Mert Cüce A. P. , Riffat S.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.46, ss.101257, 2021 (SCI Expanded İndekslerine Giren Dergi)
- IV. **Energy analysis of utility-scale PV plant in the rain-dominated tropical monsoon climates**
Gopi A., Sudhakar K., Ngui W. K. , Kirpichnikova I., Cüce E.
CASE STUDIES IN THERMAL ENGINEERING, cilt.26, ss.101123, 2021 (SCI Expanded İndekslerine Giren Dergi)
- V. **Impacts of ground slope on main performance figures of solar chimney power plants: A comprehensive CFD research with experimental validation**
Cüce E., Mert Cüce A. P. , Sen H., Sudhakar K., Berardi U., Serencam U.
International Journal Of Photoenergy, cilt.2021, sa.2021, ss.6612222, 2021 (SCI Expanded İndekslerine Giren Dergi)
- VI. **Hybrid floating solar plant designs: A review**
Solomin E., Sirotkin E., Cüce E., Priya S. S. , Sudhakar K.
Energies, cilt.14, sa.10, ss.2751, 2021 (SCI Expanded İndekslerine Giren Dergi)
- VII. **Performance assessment of solar chimney power plants with the impacts of divergent and convergent chimney geometry**
Cüce E., Saxena A., Mert Cüce A. P. , Şen H., Guo S., Kumarasamy S.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.16, sa.3, ss.704-714, 2021 (SCI Expanded İndekslerine Giren Dergi)
- VIII. **Design and thermal performance investigation of a box cooker with flexible solar collector tubes: An experimental research**
Saxena A., Cuce E., Tiwari G. N. , Kumar A.
ENERGY, cilt.206, 2020 (SCI İndekslerine Giren Dergi)
- IX. **Enhanced performance figures of solar cookers through latent heat storage and low-cost booster reflectors**
Mert Cüce A. P. , Kolaylı S., Cüce E.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.15, sa.3, ss.427-433, 2020 (SCI Expanded İndekslerine Giren Dergi)
- X. **Thermal performance evaluation of a solar air heater integrated with helical tubes carrying phase change material**
Saxena A., Agarwal N., Cuce E.
JOURNAL OF ENERGY STORAGE, cilt.30, 2020 (SCI İndekslerine Giren Dergi)

- XI. **Enhanced performance figures of solar cookers through latent heat storage and low-cost booster reflectors**
Cuce P. M. , KOLAYLI S., Cuce E.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.15, sa.3, ss.427-433, 2020 (SCI İndekslerine Giren Dergi)
- XII. **Improving thermal performance of thermoelectric coolers (TECs) through a nanofluid driven water to air heat exchanger design: An experimental research**
Cuce E., Guclu T., Cuce P. M.
ENERGY CONVERSION AND MANAGEMENT, cilt.214, 2020 (SCI İndekslerine Giren Dergi)
- XIII. **Numerical performance modelling of solar chimney power plants: Influence of chimney height for a pilot plant in Manzanares, Spain**
CÜCE E., SEN H., CUCE P. M.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.39, 2020 (SCI İndekslerine Giren Dergi)
- XIV. **On the Use of Nanofluids in Solar Energy Applications**
Cuce E., Cuce P. M. , Guclu T., Besir A. B.
JOURNAL OF THERMAL SCIENCE, cilt.29, sa.3, ss.513-534, 2020 (SCI İndekslerine Giren Dergi)
- XV. **Performance analysis of a novel solar desalination system - Part 1: The unit with sensible energy storage and booster reflector without thermal insulation and cooling system**
CÜCE E., Cuce P. M. , SAXENA A., GÜÇLÜ T., BESİR A. B.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.37, 2020 (SCI İndekslerine Giren Dergi)
- XVI. **Sustainable ventilation strategies in buildings: CFD research**
CÜCE E., Sher F., Sadiq H., Cuce P. M. , GÜÇLÜ T., BESİR A. B.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.36, 2019 (SCI İndekslerine Giren Dergi)
- XVII. **Optimised performance of a thermally resistive PV glazing technology: An experimental validation**
CÜCE E., Cuce P. M.
ENERGY REPORTS, cilt.5, ss.1185-1195, 2019 (SCI İndekslerine Giren Dergi)
- XVIII. **Thermoelectric Coolers (TECs): From Theory to Practice**
Guclu T., Cuce E.
JOURNAL OF ELECTRONIC MATERIALS, cilt.48, sa.1, ss.211-230, 2019 (SCI İndekslerine Giren Dergi)
- XIX. **Improving thermal power of a cylindrical solar cooker via novel micro/nano porous absorbers: A thermodynamic analysis with experimental validation**
Cuce E.
SOLAR ENERGY, cilt.176, ss.211-219, 2018 (SCI İndekslerine Giren Dergi)
- XX. **A novel method based on thermal conductivity for material identification in scrap industry: An experimental validation**
Cuce E., Cuce P. M. , Guclu T., Besir A., Gokce E., Serencam U.
MEASUREMENT, cilt.127, ss.379-389, 2018 (SCI İndekslerine Giren Dergi)
- XXI. **Accurate and reliable U-value assessment of argon-filled double glazed windows: A numerical and experimental investigation**
Cuce E.
ENERGY AND BUILDINGS, cilt.171, ss.100-106, 2018 (SCI İndekslerine Giren Dergi)
- XXII. **Green roofs and facades: A comprehensive review**
Besir A. B. , Cuce E.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.82, ss.915-939, 2018 (SCI İndekslerine Giren Dergi)
- XXIII. **Concentrating photovoltaic thermal (CPVT) collectors and systems: Theory, performance assessment and applications**
DANESHAZARIAN R., Cuce E., Cuce P. M. , Sher F.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.81, ss.473-492, 2018 (SCI İndekslerine Giren Dergi)
- XXIV. **Toward cost-effective and energy-efficient heat recovery systems in buildings: Thermal performance monitoring**
Cuce P. M. , Cuce E.

- ENERGY, cilt.137, ss.487-494, 2017 (SCI İndekslerine Giren Dergi)
- XXV. **An accurate model for photovoltaic (PV) modules to determine electrical characteristics and thermodynamic performance parameters**
Cuce E., Cuce P. M. , Karakas I. H. , BALI T.
ENERGY CONVERSION AND MANAGEMENT, cilt.146, ss.205-216, 2017 (SCI İndekslerine Giren Dergi)
- XXVI. **A smart building material for low/zero carbon applications: heat insulation solar glass-characteristic results from laboratory and in situ tests**
Cuce E., Riffat S. B.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.12, sa.2, ss.126-135, 2017 (SCI İndekslerine Giren Dergi)
- XXVII. **Thermal regulation impact of green walls: An experimental and numerical investigation**
Cuce E.
APPLIED ENERGY, cilt.194, ss.247-254, 2017 (SCI İndekslerine Giren Dergi)
- XXVIII. **Solar Pond Window Technology for Energy-Efficient Retrofitting of Buildings: An Experimental and Numerical Investigation**
Cuce E., Cuce P. M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.42, sa.5, ss.1909-1916, 2017 (SCI İndekslerine Giren Dergi)
- XXIX. **Role of airtightness in energy loss from windows: Experimental results from in-situ tests**
Cuce E.
ENERGY AND BUILDINGS, cilt.139, ss.449-455, 2017 (SCI İndekslerine Giren Dergi)
- XXX. **Thermal and acoustic properties of aerogels: Preliminary investigation of the influence of granule size**
MORETTI E., MERLI F., CÜCE E., BURATTI C.
ENERGY, cilt.111, ss.472-480, 2017 (SCI İndekslerine Giren Dergi)
- XXXI. **Experimental and numerical investigation of a novel energy-efficient vacuum glazing technology for low-carbon buildings**
Cuce E.
INDOOR AND BUILT ENVIRONMENT, cilt.26, sa.1, ss.44-59, 2017 (SCI İndekslerine Giren Dergi)
- XXXII. **Renewable and sustainable energy saving strategies for greenhouse systems: A comprehensive review**
Cuce E., Harjunowibowo D., Cuce P. M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.64, ss.34-59, 2016 (SCI İndekslerine Giren Dergi)
- XXXIII. **A comprehensive assessment of sectoral energy consumption in the UK: past, present and future**
Cuce E., Riffat S. B.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.11, sa.3, ss.424-430, 2016 (SCI İndekslerine Giren Dergi)
- XXXIV. **Toward multi-functional PV glazing technologies in low/zero carbon buildings: Heat insulation solar glass - Latest developments and future prospects**
Cuce E.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.60, ss.1286-1301, 2016 (SCI İndekslerine Giren Dergi)
- XXXV. **Novel glazing technologies to mitigate energy consumption in low-carbon buildings: a comparative experimental investigation**
Cuce E., Cuce P. M. , Riffat S.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.40, sa.4, ss.537-549, 2016 (SCI İndekslerine Giren Dergi)
- XXXVI. **The impact of internal aerogel retrofitting on the thermal bridges of residential buildings: An experimental and statistical research**
Cuce E., Cuce P. M.
ENERGY AND BUILDINGS, cilt.116, ss.449-454, 2016 (SCI İndekslerine Giren Dergi)
- XXXVII. **Energy saving potential of heat insulation solar glass: Key results from laboratory and in-situ testing**
Cuce E., Cuce P. M. , Young C.

- ENERGY, cilt.97, ss.369-380, 2016 (SCI İndekslerine Giren Dergi)
- XXXVIII. **Vacuum glazing for highly insulating windows: Recent developments and future prospects**
Cuce E., Cuce P. M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.54, ss.1345-1357, 2016 (SCI İndekslerine Giren Dergi)
- XXXIX. **A novel roof type heat recovery panel for low-carbon buildings: An experimental investigation**
Cuce P. M. , Cuce E., Riffat S.
ENERGY AND BUILDINGS, cilt.113, ss.133-138, 2016 (SCI İndekslerine Giren Dergi)
- XL. **Theoretical investigation of hot box solar cookers having conventional and finned absorber plates**
Cuce E., Cuce P. M.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.10, sa.3, ss.238-245, 2015 (SCI İndekslerine Giren Dergi)
- XLII. **Aerogel-Assisted Support Pillars for Thermal Performance Enhancement of Vacuum Glazing: A CFD Research for a Commercial Product**
Cuce E., Riffat S. B.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.40, sa.8, ss.2233-2238, 2015 (SCI İndekslerine Giren Dergi)
- XLIII. **Thermal insulation, power generation, lighting and energy saving performance of heat insulation solar glass as a curtain wall application in Taiwan: A comparative experimental study**
Cuce E., Riffat S. B. , Young C.
ENERGY CONVERSION AND MANAGEMENT, cilt.96, ss.31-38, 2015 (SCI İndekslerine Giren Dergi)
- XLIV. **A successful application of homotopy perturbation method for efficiency and effectiveness assessment of longitudinal porous fins**
Cuce E., Cuce P. M.
ENERGY CONVERSION AND MANAGEMENT, cilt.93, ss.92-99, 2015 (SCI İndekslerine Giren Dergi)
- XLV. **Vacuum tube window technology for highly insulating building fabric: An experimental and numerical investigation**
Cuce E., Riffat S. B.
VACUUM, cilt.111, ss.83-91, 2015 (SCI İndekslerine Giren Dergi)
- XLVI. **Thermal performance investigation of heat insulation solar glass: A comparative experimental study**
Cuce E., Young C., Riffat S. B.
ENERGY AND BUILDINGS, cilt.86, ss.595-600, 2015 (SCI İndekslerine Giren Dergi)
- XLVII. **A state-of-the-art review on innovative glazing technologies**
Cuce E., Riffat S. B.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.41, ss.695-714, 2015 (SCI İndekslerine Giren Dergi)
- XLVIII. **Performance investigation of heat insulation solar glass for low-carbon buildings**
Cuce E., Young C., Riffat S. B.
ENERGY CONVERSION AND MANAGEMENT, cilt.88, ss.834-841, 2014 (SCI İndekslerine Giren Dergi)
- XLIX. **Tilt Angle Optimization and Passive Cooling of Building-Integrated Photovoltaics (BIPVs) for Better Electrical Performance**
Cuce E., Cuce P. M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.39, sa.11, ss.8199-8207, 2014 (SCI İndekslerine Giren Dergi)
- L. **Optimizing insulation thickness and analysing environmental impacts of aerogel-based thermal superinsulation in buildings**
Cuce E., Cuce P. M. , Wood C. J. , Riffat S. B.
ENERGY AND BUILDINGS, cilt.77, ss.28-39, 2014 (SCI İndekslerine Giren Dergi)
- LI. **Toward aerogel based thermal superinsulation in buildings: A comprehensive review**
Cuce E., Cuce P. M. , Wood C. J. , Riffat S. B.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.34, ss.273-299, 2014 (SCI İndekslerine Giren Dergi)
- LII. **An experimental analysis of illumination intensity and temperature dependency of photovoltaic cell parameters**

- Cuce E., Cuce P. M. , BALI T.
APPLIED ENERGY, cilt.111, ss.374-382, 2013 (SCI İndekslerine Giren Dergi)
- LII. **Comments on “Analytical expression for electrical efficiency of PV/T hybrid air collector” by S. Dubey, G.S. Sandhu, and G.N. Tiwari**
CÜCE E., CÜCE P. M.
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, cilt.36, sa.4, ss.206-208, 2013 (SCI Expanded İndekslerine Giren Dergi)
- LIII. **Homotopy perturbation method for temperature distribution, fin efficiency and fin effectiveness of convective straight fins with temperature-dependent thermal conductivity**
Cuce E., Cuce P. M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.227, sa.8, ss.1754-1760, 2013 (SCI İndekslerine Giren Dergi)
- LIV. **A comprehensive review on solar cookers**
Cuce E., Cuce P. M.
APPLIED ENERGY, cilt.102, ss.1399-1421, 2013 (SCI İndekslerine Giren Dergi)
- LV. **Effects of concavity level on heat loss, effectiveness and efficiency of a longitudinal fin exposed to natural convection and radiation**
Cuce E., Cuce P. M.
INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, cilt.23, sa.7, ss.1169-1178, 2013 (SCI İndekslerine Giren Dergi)
- LVI. **A novel model of photovoltaic modules for parameter estimation and thermodynamic assessment**
Mert Cüce A. P. , Cüce E.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.7, sa.2, ss.159-165, 2012 (SCI Expanded İndekslerine Giren Dergi)
- LVII. **Effects of passive cooling on performance of silicon photovoltaic cells**
Cüce E., Bali T., Seküçoğlu S. A.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.6, sa.4, ss.299-308, 2011 (SCI Expanded İndekslerine Giren Dergi)
- LVIII. **A review on hybrid photovoltaic/thermal collectors and systems**
Cüce E., Riffat S.
INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES, cilt.6, sa.3, ss.212-241, 2011 (SCI Expanded İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Solar energy sector under the influence of Covid-19 pandemic: A critical review**
EROĞLU H., CÜCE E.
Journal of Energy Systems, cilt.5, sa.3, ss.244-251, 2021 (Diğer Kurumların Hakemli Dergileri)
- II. **A perspective of COVID 19 impact on global economy, energy and environment**
Priya S. S. , Cüce E., Sudhakar K.
INTERNATIONAL JOURNAL OF SUSTAINABLE ENGINEERING, 2021 (ESCI İndekslerine Giren Dergi)
- III. **Thermal behavior of human clothing in real-life conditions and its reflections on thermal comfort**
Mert Cüce A. P. , Cüce E., Sen H., Priya S. S. , Sukumaran S.
World Journal of Textile Engineering and Technology, cilt.7, ss.25-35, 2021 (ESCI İndekslerine Giren Dergi)
- IV. **A systematic review of thermal insulation performance of hollow bricks as a function of hollow geometry**
MERT CÜCE A. P. , CÜCE E., Sudhakar K.
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, 2021 (ESCI İndekslerine Giren Dergi)
- V. **A thorough performance assessment of solar chimney power plants: Case study for Manzanares**
Cüce E., Mert Cüce A. P. , Şen H.

Cleaner Engineering and Technology, cilt.1, ss.1-11, 2020 (Diğer Kurumların Hakemli Dergileri)

- VI. **Improving Electricity Production in Solar Chimney Power Plants with Sloping Ground Design: An Extensive CFD Research**
Mert Cüce A. P. , Cüce E., Şen H.
Journal of Solar Energy Research Updates, cilt.7, ss.122-131, 2020 (Diğer Kurumların Hakemli Dergileri)
- VII. **Improving thermal resistance of lightweight concrete hollow bricks: A numerical optimisation research for a typical masonry unit**
CÜCE E., CUCE P. M. , BESİR A. B.
Journal of Energy Systems, cilt.4, sa.3, ss.121-144, 2020 (Diğer Kurumların Hakemli Dergileri)
- VIII. **GÜNEŞ BACASI GÜÇ SANTRALLERİNDE TOPLAYICI EĞİMİNİN ÇIKIŞ GÜCÜNE VE SİSTEM VERİMİNE ETKİSİ**
CÜCE E.
Uludağ University Journal of The Faculty of Engineering, cilt.25, sa.2, ss.1025-1038, 2020 (Diğer Kurumların Hakemli Dergileri)
- IX. **Analysis of solar PV glare in airport environment: Potential solutions**
Sreenath S., Sudhakar K., Yusop A., CÜCE E., Solomin E.
Results in Engineering, cilt.5, 2020 (ESCI İndekslerine Giren Dergi)
- X. **Improving thermal resistance of lightweight concrete hollow bricks: A numerical optimisation research for a typical masonry unit**
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Journal of Energy Systems, cilt.4, sa.3, ss.121-144, 2020 (Diğer Kurumların Hakemli Dergileri)
- XI. **Heat insulative photovoltaic glass: Optical, acoustic, thermal and electricity production performance**
CÜCE E.
Nigde Üniversitesi Mühendislik Bilimleri Dergisi, cilt.9, sa.1, ss.494-503, 2020 (Hakemli Üniversite Dergisi)
- XII. **Enerji verimli binalar için sürdürülebilir ve çevre dostu pencere ve cam teknolojileri: Son gelişmeler ve uygulamalar**
Cuce P. M. , Guclu T., Besir A. B. , CÜCE E.
ULUDAG UNIVERSITY JOURNAL OF THE FACULTY OF ENGINEERING, cilt.24, sa.3, ss.503-522, 2019 (Hakemli Üniversite Dergisi)
- XIII. **Performance assessment of solar chimneys: Part 2 – Impacts of slenderness value and collector slope on power output**
CÜCE E., Cuce P. M.
ENERGY RESEARCH JOURNAL, cilt.10, ss.20-26, 2019 (ESCI İndekslerine Giren Dergi)
- XIV. **Performance assessment of solar chimneys: Part I – Impact of chimney height on power output**
CÜCE E., CUCE P. M.
ENERGY RESEARCH JOURNAL, cilt.10, ss.11-19, 2019 (ESCI İndekslerine Giren Dergi)
- XV. **Heat transfer enhancement in cylindrical fins through longitudinal parabolic perforations**
Cuce E., Oztekin E. K. , Cuce P. M.
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, cilt.40, sa.4, ss.406-412, 2019 (ESCI İndekslerine Giren Dergi)
- XVI. **Impacts of edge seal material on thermal insulation performance of athermally resistive photovoltaic glazing: CFD research with experimental validation**
CÜCE E.
Journal of Energy Systems, cilt.3, sa.1, ss.26-35, 2019 (Diğer Kurumların Hakemli Dergileri)
- XVII. **Strategies for ideal indoor environments towards low/zero carbon buildings through a biomimetic approach**
Cuce E., Nachan Z., Cuce P. M. , Sher F., NEIGHBOUR G. B.
INTERNATIONAL JOURNAL OF AMBIENT ENERGY, cilt.40, sa.1, ss.86-95, 2019 (ESCI İndekslerine Giren Dergi)
- XVIII. **Performance Assessment of Solar Chimneys: Part I – Impact of Chimney Height on Power Output**
CÜCE E., MERT CÜCE A. P.
Energy Research Journal, cilt.10, sa.1, ss.11-19, 2019 (Diğer Kurumların Hakemli Dergileri)
- XIX. **Performance Assessment of Solar Chimneys: Part 2 – Impacts of Slenderness Value and Collector**

Slope on Power Output

CÜCE E., MERT CÜCE A. P.

Energy Research Journal, cilt.10, sa.1, ss.20-26, 2019 (Diğer Kurumların Hakemli Dergileri)

- XX. **Smart Retrofit Solutions of Buildings toward a Low Carbon World**
CÜCE E., MERT CÜCE P.
Energy Research Journal, cilt.9, sa.1, ss.77-86, 2018 (Diğer Kurumların Hakemli Dergileri)
- XXI. **Impact of humidity on current parameters of solar cells**
CÜCE E., MERT CÜCE P., BALI T.
Journal of Energy Systems, cilt.2, sa.3, ss.84-96, 2018 (Diğer Kurumların Hakemli Dergileri)
- XXII. **Hybrid Photovoltaic/Thermal (HPV/T) Systems: From Theory to Applications**
CÜCE E., ÖZTEKİN E. K. , MERT CÜCE P.
Energy Research Journal, cilt.9, sa.1, ss.1-71, 2018 (Diğer Kurumların Hakemli Dergileri)
- XXIII. **An Overview of Concentrating Photovoltaic Thermal (CPVT) Collectors**
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- Kar T., Cüce E., TÜBİTAK Projesi, Co-gasification of hazelnut shell-tea bush / lignite coal mixture and product analysis in fluid bed reactor, 2021 - 2023
- CÜCE E., TÜBİTAK Projesi, Development of a novel, energy-efficient, eco-friendly and multi-functional glazing technology for low/zero carbon buildings: An experimental, numerical and statistical investigation, 2017 - 2019
- CÜCE E., AB Destekli Diğer Projeler, Innovative energy saving and climate control system for greenhouses, 2014 - 2016
- MERT CÜCE A. P. , CÜCE E., AB Çerçeve Programları Destekli Proje, HERB – Holistic energy-efficient retrofitting of residential buildings, 2012 - 2016
- CÜCE E., MERT CÜCE A. P. , AB Çerçeve Programları Destekli Proje, Development of heat insulation solar glass for low-carbon buildings, 2014 - 2015
- CÜCE E., AB Destekli Diğer Projeler, High performance vacuum window, 2012 - 2014
- CÜCE E., MERT CÜCE A. P. , AB Destekli Diğer Projeler, The EoN house retrofit research project, 2012 - 2013
- CÜCE E., Desteklenmiş Diğer Projeler, Thermodynamic analysis of the effectiveness of different types of PV modules for wet conditions, 2008 - 2009

Bilimsel Dergilerdeki Faaliyetler

- Energy And Buildings, Özel Sayı Editörü, 2021 - Devam Ediyor
- JOURNAL OF ADVANCED THERMAL SCIENCE RESEARCH, Editörler Kurulu Üyesi, 2021 - Devam Ediyor
- GAZI JOURNAL OF ENGINEERING SCIENCES, Editörler Kurulu Üyesi, 2021 - Devam Ediyor
- WORLD JOURNAL OF TEXTILE ENGINEERING AND TECHNOLOGY, Editörler Kurulu Üyesi, 2021 - Devam Ediyor
- FUTURE CITIES AND ENVIRONMENT, Editörler Kurulu Üyesi, 2020 - Devam Ediyor
- JOURNAL OF SOLAR ENERGY RESEARCH UPDATES, Editörler Kurulu Üyesi, 2020 - Devam Ediyor
- GREEN BUILDING AND CONSTRUCTION ECONOMICS, Baş Editör, 2020 - Devam Ediyor
- ENERGY RESEARCH JOURNAL, Editör, 2016 - Devam Ediyor

Kongre ve Sempozyum Katılımı Faaliyetleri

- Recent Advancements in Sustainable Energy Storage and Conversion, Davetli Konuşmacı, Karnataka, Hindistan, 2021
- Energy Positive Buildings & Sustainable Transport Workshop organised by University of Exeter, UK and VIT, India, Davetli Konuşmacı, Exeter, İngiltere, 2021
- Novel Solar Energy Applications for the Built Environment, GIAN Programme Organised in Maulana Azad National Institute of Technology (MANIT), Bhopal, Davetli Konuşmacı, Bhopal, Hindistan, 2018
- International Joint Conferences of International Conference on Industrial, Mechanical, Electrical, and Chemical Engineering (ICIMECE) & Annual Conference on Industrial and System Engineering (ACISE), Davetli Konuşmacı, Yogyakarta, Endonezya, 2016

Atıflar

Toplam Atıf Sayısı (WOS):2213

h-indeksi (WOS):23

Burslar

Post-Doctorate Research Fellowship from TUBITAK (The Scientific and Technological Research Council of Turkey) through funding programme 2219/1, 2015, TÜBİTAK, 2015 - 2016

Post-Doctorate Research Fellowship Post in the Institute of Sustainable Energy Technologies, Department of Architecture and Built Environment, Faculty of Engineering, University of Nottingham, Üniversite, 2014 - 2016

Postgraduate Research Scholarship of Turkish Ministry of Education, Doctoral research in Sustainable Energy Technologies at the University of Nottingham, Milli Eğitim Bakanlığı, 2012 - 2015

Ödüller

CÜCE E., The Scientist of the Year Award - Yılın Bilim İnsanı Ödülü, Bilim Kahramanları Derneği, Nisan 2018

MERT CÜCE A. P. , CÜCE E., Hot Paper and Highly Cited Paper Award from Web of Science. Toward aerogel based thermal superinsulation in buildings: A comprehensive review. (%0.1 in the relevant academic field), Thomson Reuters, Aralık 2017

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CÜCE E., Scientific Publication Award – First Place. University of Bayburt, 2016, University of Bayburt, Mayıs 2016