

Prof. DEREK KEITH BAKER

Personal Information

Office Phone: [+90 312 210 5217](tel:+903122105217)

Email: dbaker@metu.edu.tr

Web: <https://avesis.metu.edu.tr/dbaker>

International Researcher IDs

ScholarID: 3ClkZYIAAAAJ

ORCID: 0000-0003-4163-1821

Publons / Web Of Science ResearcherID: H-2021-2015

ScopusID: 16041579400

Yoksis Researcher ID: 216431

Education Information

Doctorate, The University of Texas at Austin, Mechanical Engineering, United States Of America 1996 - 2000

Postgraduate, The University of Texas at Austin, Mechanical Engineering, United States Of America 1994 - 1996

Undergraduate, Virginia Polytechnic Institute and State University, Mechanical Engineering, United States Of America 1987 - 1992

Dissertations

Doctorate, An investigation of calcium carbonate scaling rates based on experiments and modeling, The University Of Texas At Austin, Mechanical Engineering, 2000

Postgraduate, Software to predict scaling problems in solar hot water systems, The University Of Texas At Austin, Mechanical Engineering, 1996

Research Areas

Mechanical Engineering, Energy, Solar energy, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2015 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2014 - 2015

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2011 - 2012

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2003 - 2010

Assistant Professor, Humboldt State University, Natural Sciences, Environmental Systems Engineering, 2000 - 2003

Advising Theses

- BAKER D. K., Investigation of Nanostructured Surfaces for Thermophotovoltaic Applications, Postgraduate, E.ENİS(Student), 2021
- BAKER D. K., Investigation of mechanical and thermal properties of sintered bauxite and sand particles as heat transfer and storage media, Postgraduate, Z.UYKUN(Student), 2021
- KAZANÇ ÖZERİNÇ F., BAKER D. K., Hybridization of single flash geothermal power plant with biomass driven CO₂ topping cycle, Postgraduate, B.Mutlu(Student), 2020
- BAKER D. K., TARI İ., Conceptual design and heat transfer investigation of a dense granular flow solar receiver, Postgraduate, E.FAİR(Student), 2017
- BAKER D. K., Modelling and performance analysis of linear fresnel collector for process heat generation for Ice Cream Factory in Konya, Postgraduate, R.SINGH(Student), 2017
- GÜVENÇ YAZICIOĞLU A., BAKER D. K., Design and modeling of a novel rectifier with ceramic hollow fiber membrane contactor for miniaturized absorption cooling devices, Postgraduate, O.ÖZKAN(Student), 2015
- BAKER D. K., TARI İ., Numerical comparison and sizing of sensible and latent thermal energy storage for compressed air energy storage, Postgraduate, M.KAYA(Student), 2015
- BAKER D. K., Modelling and transient analysis of a hybrid liquid Desiccant cooling system, Postgraduate, A.KARSHENASS(Student), 2014
- BAKER D. K., Theoretical and experimental investigation on characteristics of adsorption cooling systems using advanced porous materials, Postgraduate, N.BONYADI(Student), 2014
- GÜVENÇ YAZICIOĞLU A., BAKER D. K., Modelling, transient simulation and parametric study of parabolic trough collector with thermal energy storage, Postgraduate, T.Akba(Student), 2014
- BAKER D. K., GÜVENÇ YAZICIOĞLU A., Modelling, transient simulations and parametric studies of parabolic trough collectors with thermal energy storage, Postgraduate, T.AKBA(Student), 2014
- BAKER D. K., Methodology to size large scale solar PV installations for institutions with unidirectional metering, Postgraduate, M.ARSALAN(Student), 2014
- BAKER D. K., Baker D., Energy optimal path planning of an unmanned solar powered aircraft, Postgraduate, E.Emre(Student), 2013
- BAKER D. K., Modeling and simulations of direct steam generation in concentrating solar power plants using parabolic trough collectors, Postgraduate, C.Uçkun(Student), 2013
- BAKER D. K., ÇALIŞKAN M., A methodology for designing tonpizl-type transducers, Postgraduate, K.Çepni(Student), 2011
- BAKER D. K., Numerical modeling and performance analysis of solar-powered ideal adsorption cooling systems, Postgraduate, O.Taylan(Student), 2010
- BAKER D. K., Baker D., Simulations of a large scale solar thermal power plant in Turkey using concentrating parabolic trough collectors, Postgraduate, Y.Usta(Student), 2010
- BAKER D. K., 2-d modeling of a proton exchange membrane fuel cell, Postgraduate, E.Ağar(Student), 2010
- BAKER D. K., Thermodynamic and economic analysis of a solar thermal powered adsorption cooling system, Postgraduate, D.Emre(Student), 2008
- BAKER D. K., Energy and exergy analyses of high school heating system, Postgraduate, M.Dilek(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hybridization of Concentrated Solar Thermal, Geothermal, and Biomass: Case Study on Kizildere-2 Geothermal Power Plant**
Celebi B., Rohani S., DERİN GÜRE P., Chandler N., Hazar T., Halaçoğlu U., BAKER D. K.
Energies, vol.17, no.21, 2024 (SCI-Expanded)
- II. **Opportunities and challenges of geothermal energy in Türkiye**
Korucan A., DERİN GÜRE P., Celebi B., BAKER D. K., Vander Velde M.
Energy for Sustainable Development, vol.79, 2024 (SCI-Expanded)
- III. **Coupling PCM wallboard utilization with night Ventilation: Energy efficiency and overheating risk in office buildings under climate change impact**
Tamer T., Gürsel Dino İ., Baker D. K., Meral Akgül Ç.

ENERGY AND BUILDINGS, vol.298, 2023 (SCI-Expanded)

- IV. **Geometric design of micro scale volumetric receiver using system-level inputs: An application of surrogate-based approach**
Akba T., BAKER D. K., Mengüç M. P.
Solar Energy, vol.262, 2023 (SCI-Expanded)
- V. **Off-design performance of micro-scale solar Brayton cycle**
Akba T., BAKER D. K., Mengüç M. P.
Energy Conversion and Management, vol.289, 2023 (SCI-Expanded)
- VI. **Gradient-based optimization of micro-scale pressurized volumetric receiver geometry and flow rate**
Akba T., BAKER D. K., Mengüç M. P.
Renewable Energy, vol.203, pp.741-752, 2023 (SCI-Expanded)
- VII. **Modeling heat exchangers with an open source DEM-based code for granular flows**
Johnson E. F., TARI İ., BAKER D. K.
SOLAR ENERGY, vol.228, pp.374-386, 2021 (SCI-Expanded)
- VIII. **Development and analysis of the novel hybridization of a single-flash geothermal power plant with biomass driven sco₂-steam rankine combined cycle**
Mutlu B., BAKER D. K., KAZANÇ ÖZERİNÇ F.
Entropy, vol.23, no.6, 2021 (SCI-Expanded)
- IX. **Radiative heat transfer in the discrete element method using distance based approximations**
Johnson E. F., TARI İ., BAKER D. K.
POWDER TECHNOLOGY, vol.380, pp.164-182, 2021 (SCI-Expanded)
- X. **Solar-thermal driven drying technologies for large-scale industrial applications: State of the art, gaps, and opportunities**
Kamfa I., Fluch J., Bartali R., Baker D.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.44, no.13, pp.9864-9888, 2020 (SCI-Expanded)
- XI. **A Monte Carlo method to solve for radiative effective thermal conductivity for particle beds of various solid fractions and emissivities**
Johnson E., Tari İ., Baker D.
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.250, 2020 (SCI-Expanded)
- XII. **Modeling, transient simulations and parametric studies of parabolic trough collectors with thermal energy storage**
Akba T., Baker D., GÜVENÇ YAZICIOĞLU A.
SOLAR ENERGY, vol.199, pp.497-509, 2020 (SCI-Expanded)
- XIII. **An investigation of optimum PV and wind energy system capacities for alternate short and long-term energy storage sizing methodologies**
Al-Ghussain L., Taylan O., BAKER D. K.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.43, no.1, pp.204-218, 2019 (SCI-Expanded)
- XIV. **Sizing of Photovoltaic-Wind-Battery Hybrid System for a Mediterranean Island Community Based on Estimated and Measured Meteorological Data**
Sadati S. M. S., Jahani E., Taylan O., BAKER D. K.
JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME, vol.140, no.1, 2018 (SCI-Expanded)
- XV. **Technoeconomic and exergy analysis of a solar geothermal hybrid electric power plant using a novel combined cycle**
Bonyadi N., Johnson E., BAKER D. K.
ENERGY CONVERSION AND MANAGEMENT, vol.156, pp.542-554, 2018 (SCI-Expanded)
- XVI. **Numerical Analysis of Phase Change Material Characteristics Used in a Thermal Energy Storage Device**
Bonyadi N., Somek S. K., Ozalevli C. C., Baker D., TARI İ.
HEAT TRANSFER ENGINEERING, vol.39, no.3, pp.268-276, 2018 (SCI-Expanded)
- XVII. **Solar energy potentials in strategically located cities in Nigeria: Review, resource assessment and PV system design**

- Okoye C. O., Taylan O., Baker D. K.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.55, pp.550-566, 2016 (SCI-Expanded)
- XVIII. **Energetic and economic performance analyses of photovoltaic, parabolic trough collector and wind energy systems for Multan, Pakistan**
Sadati S. M. S., Qureshi F. U., BAKER D. K.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.47, pp.844-855, 2015 (SCI-Expanded)
- XIX. **A study to incorporate renewable energy technologies into the power portfolio of Karachi, Pakistan**
Ali S. M. H., Zuberi M. J. S., Tariq M. A., BAKER D. K., Mohiuddin A.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.47, pp.14-22, 2015 (SCI-Expanded)
- XX. **Modeling and simulations of a micro solar power system**
Pehlivanurk C., Ozkan O., BAKER D. K.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.38, no.9, pp.1129-1144, 2014 (SCI-Expanded)
- XXI. **Two dimensional transient coupled analysis of a finned tube adsorbent bed for a thermal wave cycle**
ÇAĞLAR A., Yamali C., BAKER D. K.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.73, pp.58-68, 2013 (SCI-Expanded)
- XXII. **MEASUREMENT OF SOLAR RADIATION IN ANKARA, TURKEY**
Caglar A., Yamali C., BAKER D. K., KAFTANOĞLU B.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.33, no.2, pp.135-142, 2013 (SCI-Expanded)
- XXIII. **Solar repowering of Soma-A thermal power plant**
YILMAZOĞLU M. Z., DURMAZ A., BAKER D. K.
ENERGY CONVERSION AND MANAGEMENT, vol.64, pp.232-237, 2012 (SCI-Expanded)
- XXIV. **A two-energy equation model for dynamic heat and mass transfer in an adsorbent bed using silica gel/water pair**
Solmus I., Rees D. A. S., Yamali C., Baker D.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.55, pp.5275-5288, 2012 (SCI-Expanded)
- XXV. **Numerical investigation of coupled heat and mass transfer inside the adsorbent bed of an adsorption cooling unit**
Solmus I., Rees D. A. S., Yamali C., Baker D., KAFTANOĞLU B.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.35, no.3, pp.652-662, 2012 (SCI-Expanded)
- XXVI. **COP trends for ideal thermal wave adsorption cooling cycles with enhancements**
Taylan O., Baker D. K., Kaftanoğlu B.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.35, no.3, pp.562-570, 2012 (SCI-Expanded)
- XXVII. **Experimental investigation of a natural zeolite-water adsorption cooling unit**
Solmus I., KAFTANOĞLU B., Yamali C., Baker D.
APPLIED ENERGY, vol.88, no.11, pp.4206-4213, 2011 (SCI-Expanded)
- XXVIII. **MODELING OF BIPOLAR PLATES FOR PROTON EXCHANGE MEMBRANE FUEL CELLS**
Ekiz A., Camci T., Turkmen I., SANKIR M., USLU S., BAKER D. K., Agar E.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.3, pp.591-605, 2011 (SCI-Expanded)
- XXIX. **International Summer Engineering Program on fuel cells for undergraduate engineering students**
BAKER D. K., Agar E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.5, pp.3712-3725, 2011 (SCI-Expanded)
- XXX. **Adsorption properties of a natural zeolite-water pair for use in adsorption cooling cycles**
Solmus I., Yamali C., KAFTANOĞLU B., Baker D., Caglar A.
APPLIED ENERGY, vol.87, no.6, pp.2062-2067, 2010 (SCI-Expanded)
- XXXI. **Thermodynamic limits to thermal regeneration in adsorption cooling cycles**
BAKER D. K.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.31, no.1, pp.55-64, 2008

(SCI-Expanded)

- XXXII. **Predicted impact of collector and zeolite choice on the thermodynamic and economic performance of a solar-powered adsorption cooling system**
Baker D. K., Kaftanoglu B.
EXPERIMENTAL HEAT TRANSFER, vol.20, no.2, pp.103-122, 2007 (SCI-Expanded)
- XXXIII. **Identifying and reducing scaling problems in solar hot water systems**
Baker D. K., Vliet G.
JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME, vol.125, no.1, pp.61-66, 2003 (SCI-Expanded)
- XXXIV. **Designing solar hot water systems for scaling environments**
Baker D. K., Vliet G.
JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME, vol.123, no.1, pp.43-47, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Normalized Thermodynamic Model for Intermittent Energy Systems and Application to Solar-Powered Adsorption Cooling Systems**
Taylan O., Baker D. K., Kaftanoglu B.
INTERNATIONAL JOURNAL OF THERMODYNAMICS, vol.14, no.3, pp.107-115, 2011 (ESCI)

Books & Book Chapters

- I. **Technical Study of a Hybrid Solar-Geothermal Power Plant and its Application to a Thermal Design Course**
BAKER D. K., Özalevli C., Sömek K.
in: Progress in Clean Energy Volume 2 Novel Systems and Applications, Dincer, I., Colpan, C.O., Kizilkan, O., Ezan, M.A., Editor, Springer, Cham, pp.887-910, 2015
- II. **Modeling and Transient Simulations of 30 MW Solar Thermal Electric Power Plants in the Northeast Mediterranean Region**
BİLYAZ S., Singh R., KARSHENASS A., BAKER D. K.
in: Progress in Clean Energy Volume 2 Novel Systems and Applications, Dincer, I., Colpan, C.O., Kizilkan, O., Ezan, M.A., Editor, Springer, Cham, pp.1099-1114, 2015
- III. **Technical Analysis of Hybrid Desiccant Cooling in a Mediterranean Climate**
KARSHENASS A., BAKER D. K., YAMALI C., Singh R.
in: Progress in Clean Energy Volume 2 Novel Systems and Applications, Dincer, I., Colpan, C.O., Kizilkan, O., Ezan, M.A., Editor, Springer, Cham, pp.911-928, 2015
- IV. **Thermodynamics An Integrated Learning System**
schmidt P., Ezekoye O., Howell J., BAKER D. K.
John Wiley & Sons, 2006

Refereed Congress / Symposium Publications in Proceedings

- I. **_The Investigation of Mechanical and Thermal Properties of Sintered Bauxite and Sand Particles as Heat Transfer and Storage Media**
Uygun Z., TARI İ., BAKER D. K.
27th International Conference on Concentrating Solar Power and Chemical Energy Systems: Solar Power and Chemical Energy Systems, SolarPACES 2021, Virtual, Online, 27 September - 01 October 2021, vol.2815

- II. **A Simulation Tool for Renewable Energy Supported Buildings**
Kuru M., Gökçül F., Ölmez B. B., Eicker U., BAKER D. K., Güğül G. N., Geçer K., Güleç S.
5th International Conference on Building Energy and Environment, COBEE 2022, Montreal, Canada, 25 - 29 July 2022, pp.1041-1050
- III. **DESIGN METHODOLOGY OF A CONCENTRATING SOLAR VOLUMETRIC RECEIVER**
Akba T., BAKER D. K., Mengüç M. P.
ASME 2023 17th International Conference on Energy Sustainability, ES 2023, Washington, United States Of America, 10 - 12 July 2023
- IV. **Water Sludge Drying: Modelling of a Solar Thermal Plant for a Solar Vacuum Dryer**
Bartali R., BAYER Ö., Pınarlı D., Erdoğan S., Bolognese M., BAKER D. K., Praticò L., Crema L.
EuroSun 2020, 01 September 2020
- V. **Hybridization of a geothermal power plant with biomass driven sCO₂ cycle**
Mutlu B., BAKER D. K., KAZANÇ ÖZERİNÇ F.
Eight European Conference on Renewable Energy Systems (ECRES2020), 24 - 25 August 2020
- VI. **Development of View Factor Correlations for Modeling Thermal Radiation in Solid Particle Solar Receivers Using CFD-DEM**
johnson e., BAKER D. K., TARI İ.
SolarPACES2018: Solar Power and Chemical Energy Systems, Morocco, Morocco, 2 - 05 October 2018
- VII. **Concentrating Solar Thermal: Global Trends and Opportunities in Turkey**
BAKER D. K.
TÜBA-TOBB ETÜ one day Energy Conference, Ankara, Turkey, 11 September 2017
- VIII. **NUMERICAL COMPARISON AND SIZING OF SENSIBLE AND LATENT THERMAL ENERGY STORAGE FOR COMPRESSED AIR ENERGY STORAGE SYSTEMS**
Kaya M., TARI İ., BAKER D. K.
ASME International Mechanical Engineering Congress and Exposition (IMECE2016), Arizona, United States Of America, 11 - 17 November 2016
- IX. **TECHNICAL FEASIBILITY STUDY OF A SOLAR GEOTHERMAL HYBRID ELECTRIC POWER PLANT USING A COMBINED CYCLE**
bonyadi n., johnson e., BAKER D. K.
SolarPaces 2016 Conference, Abu Dhabi, United Arab Emirates, 11 - 14 October 2016
- X. **Proposal of a Novel Gravity-Fed, Particle-Filled Solar Receiver**
JOHNSON E., Baker D., TARI İ.
22nd International Conference on Concentrating Solar Power and Chemical Energy Systems (SOLARPACES), Abu Dhabi, United Arab Emirates, 11 - 14 October 2016, vol.1850
- XI. **Study Case of Solar Thermal and Photovoltaic Heat Pump System for Different Cities in Turkey**
Moia-Pol A., Pujol-Nadal R., Martinez-Moll V., Bonyadi N., Baker D.
11th ISES EuroSun Conference, Palma, Spain, 11 - 14 October 2016, pp.762-766
- XII. **Solar Thermal Electricity Overview Activities in Turkey and New METU GÜNAM Laboratory ODAK**
BAKER D. K.
INTERNATIONAL WORKSHOP ON SPECIAL TOPICS ON POLYMERIC COMPOSITES, 24 - 26 February 2016
- XIII. **Experimental analysis of energy storage device using phase change material integrated with a milk storage system**
NIMA B., SOMEK S. K., C CIHAN O., BAKER D. K., TARI İ.
1st Thermal and Fluid Engineering Summer Conference, TFESC, New-York, United States Of America, 9 - 12 August 2015
- XIV. **A methodology for designing tonpiliz type transducers**
çepni k., BAKER D. K., ÇALIŞKAN M.
3rd International Conference and Exhibition on Underwater Acoustics, 21 - 26 June 2015
- XV. **Numerical Analysis of Phase Change Material Characteristics in a Thermal Energy Storage Heat Exchanger**
NIMA B., SOMEK S. K., OZALEVLI C. C., BAKER D. K., TARI İ.

ASME-ATI-UIT 2015 Conference on Thermal Energy Systems: Production, Storage, Utilization and the Environment, Napoli, Italy, 17 - 20 May 2015

- XVI. **Modeling of the rectifier of a mini absorption cooling device using ceramic hollow fiber membranes**
OZKAN O., GÜVENÇ YAZICIOĞLU A., BAKER D. K.
ASME-ATI-UIT 2015 - Thermal Energy Systems: Production, Storage, Utilization and the Environment, 17 - 20 May 2015
- XVII. **Numerical analysis of phase change material characteristics used in a thermal energy storage device**
Bonyadi N., kazım s., Özalevli c., BAKER D. K., TARI İ.
ASME-ATI-UIT 2015 Conference on Thermal Energy Systems: Production, Storage, Utilization and the Environment, 17 May - 20 August 2015
- XVIII. **EXPERIMENTAL INVESTIGATION OF SINGLE-PHASE LIQUID FLOW AND HEAT TRANSFER IN MULTIPORT MINICHANNELS**
Altinoz M., GÜVENÇ YAZICIOĞLU A., Baker D.
12th International Conference on Nanochannels, Microchannels and Minichannels (ICNMM), Illinois, United States Of America, 3 - 07 August 2014
- XIX. **Adsorbent Refrigerant Comparison for a Solar Powered Adsorption Cooling System using Seasonal Simulations**
TAYLAN O., BAKER D. K., Kaftanoglu B.
10th REHVA (the Federation of European Heating and Air Conditioning Associations) World Congress (Clima 2010), Antalya, Turkey, 9 - 12 May 2010
- XX. **Energy and exergy analysis for the electricity sector of Turkey**
Guray B. S., BAKER D. K.
23rd International Conference on Efficiency, Cost, Optimization, Simulation, and Environmental Impact of Energy Systems, ECOS 2010, Lausanne, Switzerland, 14 - 17 June 2010, vol.3, pp.331-338
- XXI. **Parametric Study and Seasonal Simulations of a Solar Powered Adsorption Cooling System**
TAYLAN O., BAKER D. K., Kaftanoglu B.
22nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS 2009), Foz do Iguaçu, Brazil, 30 August - 03 September 2009, pp.833-842
- XXII. **TRENDS IN COP FOR ADSORPTION COOLING CYCLES WITH THERMAL REGENERATION AND FINITE NUMBER OF BEDS**
BAKER D. K., Kaftanoglu B.
2nd International Conference on Energy Sustainability, Florida, United States Of America, 10 - 14 August 2008, pp.601-608
- XXIII. **ThermoNet: Part of an integrated website-textbook system**
Baker D., Canlidinc A.
International Conference on Education and Information Systems - Technologies and Application, Florida, United States Of America, 21 - 25 July 2004, pp.199-204

Supported Projects

BAKER D. K., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, GÜNAM Expansion project, 2014 - Continues
Yerci S., Baker D. K., Derin Güre P., Horizon Europe Project, A Greek-Turkish Solar Energy Excellence Hub to Advance the European Green Deal, 2023 - 2026

Baker D. K., Taylan O., Horizon Europe Project, SolarHub: A Greek-Turkish Solar Energy Excellence Hub to Advance the European Green Deal, 2023 - 2026

Baker D. K., Erden Topal Y., Horizon Europe Project, CST4ALL: SUPPORT TO THE ACTIVITIES OF THE CONCENTRATED SOLAR THERMAL TECHNOLOGY AREA OF THE SET PLAN, 2022 - 2025

Derin Güre P., Baker D. K., H2020 Project, Technologies for geothermal to enhance competitiveness in smart and flexible operation, 2021 - 2024

Baker D. K., Tari I., Okutucu Özyurt H. T., Akata Kurç B., Çulfaz Emecen P. Z., Kurt Z., Erden Topal Y., Taylan O., H2020

Project, SolarTwins: Solar Twinning to Create Solar Research Twins, 2020 - 2023

Baker D. K., Kale N., Kazanç Özerinç F., H2020 Project, GEOSMART, 2019 - 2023

Baker D. K., Bial M., Erden Topal Y., Erdil E., Pamukcu M. T., Akçomak I. S., Aydinoğlu A. U., H2020 Project, HORIZON-STE: Implementation of the Initiative for Global Leadership in Solar Thermal Electricity, 2019 - 2023

Sanchez R., Baker D. K., Tari I., Taylan O., H2020 Project, SFERA III - Solar Facilities for the European Research Area - Third Phase, 2019 - 2023

Baker D. K., Sanchez R., Tari I., H2020 Project, Solar Facilities for the European Research Area - Third Phase, 2019 - 2022

Baker D. K., Bayer Ö., Tari I., Nitz P., H2020 Project, INSHIP: Integrating National Research Agendas on Solar Heat for Industrial Processes, 2017 - 2021

Turan R., Baker D. K., Okutucu Özyurt H. T., Tari İ., Güvenç Yazıcıoğlu A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, 2015K121200 - GÜNAM 2. Aşama Global Mükemmeliyet ve Sanayi AraYüzü Oluşturulması, 2015 - 2020

Turan R., Baker D. K., Okutucu Özyurt H. T., EU Framework Program Project, EU-Solaris, The European Solar Research Infrastructure for Concentrated Solar Power, 2012 - 2016

Metrics

Publication: 69

Citation (WoS): 629

Citation (Scopus): 722

H-Index (WoS): 15

H-Index (Scopus): 15