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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: D-3025-2014

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Eğitim Bilgileri

Doktora, Carleton University, Makine Mühendisliği, Kanada 2005 - 2009

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine

Mühendisliği (Yıl) (Tezli), Türkiye 2003 - 2005

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği

Bölümü, Türkiye 1999 - 2003

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Thermal Modeling of Solid Oxide Fuel Cell Based Biomass Gasification Systems, Carleton University, Makine Mühendisliği, 2009

Yüksek Lisans, Exergy analysis of combined cycle cogeneration systems, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Yıl) (Tezli), 2005

Araştırma Alanları

Enerji, Hidrojen teknolojileri ve yakıt hücreleri

Akademik Unvanlar / Görevler

Prof. Dr., Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2019 - Devam Ediyor

Doç. Dr., Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2013 - 2019

Yrd. Doç. Dr., Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2012 - 2013

Akademik İdari Deneyim

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2021 - Devam Ediyor

Merkez Müdür Yardımcısı, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2021 - Devam Ediyor

Verdiği Dersler

Thermodynamics-II, Lisans, 2013 - 2014, 2012 - 2013

Technical English-I, Lisans, 2013 - 2014

ISI TRANSFERİ, Lisans, 2013 - 2014

MAKİNA MÜHENDİSLİĞİNDE ÖLÇÜM VE ANALİZ LAB., Lisans, 2013 - 2014, 2012 - 2013

Fluid Mechanics, Lisans, 2013 - 2014, 2012 - 2013

Thermodynamics-I, Lisans, 2013 - 2014, 2012 - 2013

TERMODİNAMİK GİRİŞ, Lisans, 2012 - 2013

Yönetilen Tezler

ÇOLPAN C. Ö., AYOL A., Performance, economic, and environmental analyses of integrated biomass gasification and solid oxide fuel cell system, Yüksek Lisans, B.DURSUN(Öğrenci), 2022

ÇOLPAN C. Ö., Hydrogen production from biogas in a membrane reactor, Doktora, Y.NALBANT(Öğrenci), 2022

ÇOLPAN C. Ö., Mathematical modelling of a solid oxide fuel cell based micro cogeneration system for residential applications, Yüksek Lisans, M.ATILMIŞ(Öğrenci), 2022

ÇOLPAN C. Ö., Modeling of a solid oxide fuel cell and its integration with a biomass gasification System, Doktora, A.ERDOĞAN(Öğrenci), 2022

ÇOLPAN C. Ö., ÇOLPAN C., Development of a composite materials based fuel cell through modeling and experimental studies, Doktora, G.UMUR(Öğrenci), 2021

ÇOLPAN C. Ö., Investigation of hydrogen production from the catalytic dehydrogenation of solid hydrogen storage materials through experimental and modeling studies, Doktora, C.ALPAYDIN(Öğrenci), 2021

ÇOLPAN C. Ö., Development of High Performance Electrochemical Hydrogen Compressor Through Theoretical and Experimental Studies, Doktora, G.NUR(Öğrenci), 2020

ÇOLPAN C. Ö., Biyokütle ve güneş kaynaklı organik rankine çevriminin ısıl ve ekonomik analizi, Doktora, Ö.ÇALLI(Öğrenci), 2019

ÇOLPAN C. Ö., Innovative catalyst synthesis for direct alcohol fuel cells, Yüksek Lisans, E.BARIŞ(Öğrenci), 2019

ÇOLPAN C. Ö., System-level modeling and simulation of direct methanol fuel cells, Yüksek Lisans, A.CAN(Öğrenci), 2019

ÇOLPAN C. Ö., PEM yakıt hücresi-lityum polimer batarya hibrit sistemiyle tahrikli mini-iHA üretimi ve enerji yönetim sisteminin modellenmesi, Doktora, G.YALIN(Öğrenci), 2019

ÇOLPAN C. Ö., İnsansız hava araçlarında farklı yakıtlar ile çalışan turbojet motorunun enerji, ekserji ve sürdürülebilirlik analizleri, Doktora, K.ÇOBAN(Öğrenci), 2018

ÇOLPAN C. Ö., Modeling and simulation of high temperature proton exchange membrane fuel cell based cogeneration systems, Yüksek Lisans, Y.NALBANT(Öğrenci), 2018

ÇOLPAN C. Ö., İnsan derisi ve itfaiyeci giysisinden oluşan sistemin ısıl modellenmesi, Yüksek Lisans, D.YILMAZ(Öğrenci), 2018

ÇOLPAN C. Ö., Three dimensional and two-phase modeling of a flowing-electrolyte direct methanol fuel cell, Yüksek Lisans, Ö.FARUK(Öğrenci), 2017

ÇOLPAN C. Ö., Direct numerical simulation of boundary layer turbulence, Yüksek Lisans, G.YAŞAL(Öğrenci), 2017

ÇOLPAN C. Ö., Manufacturing and testing of direct methanol fuel cells based on alternative materials, Yüksek Lisans, M.ERÇELİK(Öğrenci), 2017

ÇOLPAN C. Ö., Mathematical modeling of a flowing electrolyte direct methanol fuel cell based on different flow field types, Yüksek Lisans, U.GENÇALP(Öğrenci), 2017

ÇOLPAN C. Ö., Thermal design and optimization of shell and tube heat exchangers used in organic Rankine cycle, Yüksek Lisans, A.ERDOĞAN(Öğrenci), 2017

ÇOLPAN C. Ö., Doğrudan metanol yakıt pilinin üç boyutlu matematiksel modellenmesi, Yüksek Lisans, E.EREY(Öğrenci), 2016

ÇOLPAN C. Ö., Thermal modeling of a geothermal powered organic rankine cycle integrated with parabolic trough solar collectors, Yüksek Lisans, D.MELEK(Öğrenci), 2016

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. Dynamic analysis and multi-objective optimization of solar and hydrogen energy-based systems for residential applications: A review

Soyturk G., Cetinkaya S. A., Aslani Yekta M., Kheiri Joghān M. M., Mohebi H., Kızılıkın O., Ghādehāriūn A. M., ÇOLPAN C. Ö., Acar C., Ghādēhāriūn S.

International Journal of Hydrogen Energy, cilt.75, ss.662-689, 2024 (SCI-Expanded)

II. Design, modeling, and analysis of a PV/T and PEM fuel cell based hybrid energy system for an off-grid house

Soyturk G., Kızılıkın O., EZAN M. A., ÇOLPAN C. Ö.

International Journal of Hydrogen Energy, cilt.67, ss.1181-1193, 2024 (SCI-Expanded)

III. Assessment of polybenzimidazole/MOF composite membranes for the improvement of high-temperature PEM fuel cell performance

Devrim Y., ÇOLPAN C. Ö.

International Journal of Hydrogen Energy, cilt.58, ss.470-478, 2024 (SCI-Expanded)

IV. Numerical investigations on the absorption of a metal hydride hydrogen storage tank based on various thermal management strategies

Disli T., Çetinkaya S. A., Ezan M. A., Colpan C. Ö.

International Journal of Hydrogen Energy, cilt.51, ss.504-522, 2024 (SCI-Expanded)

V. Experimental and modeling studies of a high-temperature electrochemical hydrogen compressor

Bulanık Durmuş G. N., Kuzu C., Devrim Y., ÇOLPAN C. Ö.

International Journal of Hydrogen Energy, cilt.51, ss.290-301, 2024 (SCI-Expanded)

VI. Comparison of various metaheuristic algorithms to extract the optimal PEMFC modeling parameters

Korkmaz S. A., Çetinkaya S. A., Yuksel O., Konur O., Erginer K. E., Colpan C. Ö.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.51, sa.D, ss.1402-1420, 2024 (SCI-Expanded)

VII. Investigation of drive cycle simulation performance for electric, hybrid, and fuel cell powertrains of a small-sized vehicle

Alpaslan E., Karaoğlan M. U., Colpan C. Ö.

International Journal of Hydrogen Energy, cilt.48, sa.99, ss.39497-39513, 2023 (SCI-Expanded)

VIII. Sizing of a solar and hydrogen-based integrated energy system of a stand-alone house in Izmir

Soyturk G., Kızılıkın O., EZAN M. A., ÇOLPAN C. Ö.

International Journal of Hydrogen Energy, cilt.48, sa.99, ss.39182-39196, 2023 (SCI-Expanded)

IX. Performance analysis of a gas-to-power system based on protonic-ceramic electrochemical compressor

Baniasadi E., Ghojavand F., ÇOLPAN C. Ö., Devrim Y.

International Journal of Hydrogen Energy, cilt.48, sa.94, ss.36836-36848, 2023 (SCI-Expanded)

X. PVT integrated hydrogen production with small-scale transcritical power cycle

Soyturk G., Kızılıkın O., EZAN M. A., ÇOLPAN C. Ö.

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, cilt.180, ss.351-360, 2023 (SCI-Expanded)

XI. Analysis of reformatre syngas mixture fed solid oxide fuel cell through experimental and 0-D thermodynamic modeling studies

- Erdogan A., Capotondo F., Ince A. C., Hagen A., ÇOLPAN C. Ö.
 International Journal of Hydrogen Energy, cilt.48, sa.60, ss.23110-23126, 2023 (SCI-Expanded)
- XII. Environmental and economic analyses of fuel cell and battery-based hybrid systems utilized as auxiliary power units on a chemical tanker vessel**
 Korkmaz S. A., Erginer K. E., Yuksel O., Konur O., Çolpan C. Ö.
 International Journal of Hydrogen Energy, cilt.48, sa.60, ss.23279-23295, 2023 (SCI-Expanded)
- XIII. High-temperature electrochemical hydrogen separation from reformathe gases using PBI/MOF composite membrane**
 Bulanik Durmuş G. N., Eren E. O., Devrim Y., ÇOLPAN C. Ö., ÖZKAN N.
 International Journal of Hydrogen Energy, cilt.48, sa.60, ss.23044-23054, 2023 (SCI-Expanded)
- XIV. A mini review on mathematical modeling of co-electrolysis at cell, stack and system levels**
 Ince A. C., Serincan M. F., ÇOLPAN C. Ö., Pasaogullari U.
 Fuel Processing Technology, cilt.244, 2023 (SCI-Expanded)
- XV. Guest editorial: The significance of clean and energy-efficient operations in sustainable aviation**
 Karakoç T. H., ÇOLPAN C. Ö., YETİK Ö., DALKIRAN A.
 Aircraft Engineering and Aerospace Technology, cilt.95, sa.3, ss.365, 2023 (SCI-Expanded)
- XVI. Scaling and performance assessment of power-to-methane system based on an operation scenario**
 Ince A. C., Ozgur Colpan C. Ö., Keles A., Serincan M. F., Pasaogullari U.
 FUEL, cilt.332, 2023 (SCI-Expanded)
- XVII. A Review on Thermal Coupling of Metal Hydride Storage Tanks with Fuel Cells and Electrolyzers**
 Cetinkaya S. A., Disli T., Soyturk G., Kizilkan O., ÇOLPAN C. Ö.
 Energies, cilt.16, sa.1, 2023 (SCI-Expanded)
- XVIII. Operation-dependent exergetic sustainability assessment and environmental analysis on a large tanker ship utilizing Organic Rankine cycle system**
 Konur O., Yuksel O., Aykut Korkmaz S. A., Ozgur Colpan C. Ö., Saatçioğlu Ö. Y., Koseoglu B.
 ENERGY, cilt.262, 2023 (SCI-Expanded)
- XIX. Reducing the fuel consumption and emissions with the use of an external fuel cell hybrid power unit for electric taxiing at airports**
 Kececi M., ÇOLPAN C. Ö., Karakoc T. H.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.47, sa.95, ss.40502-40512, 2022 (SCI-Expanded)
- XX. A review on performance, economic, and environmental analyses of integrated solid oxide fuel cell and biomass gasification systems**
 Erdogan A., Dursun B., ÇOLPAN C. Ö., AYOL A.
 ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.44, sa.4, ss.8403-8426, 2022 (SCI-Expanded)
- XXI. Energy and exergy analyses of an integrated membrane reactor and CO₂ capture system to generate decarbonized hydrogen**
 Çolpan C. Ö., Nalbant Atak Y., Iulianelli A.
 ENERGY CONVERSION AND MANAGEMENT, ss.1-13, 2022 (SCI-Expanded)
- XXII. Thermal design and analysis of an organic rankine cycle system utilizing the main engine and cargo oil pump turbine based waste heats in a large tanker ship**
 Konur O., Yuksel O., Korkmaz S. A., Çolpan C. Ö., Saatçioğlu Ö. Y., Muslu I.
 JOURNAL OF CLEANER PRODUCTION, cilt.368, 2022 (SCI-Expanded)
- XXIII. EDITORIAL: Global warming reduction by hydrogen**
 Nizetic S., ÇOLPAN C. Ö.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.47, sa.74, ss.31729, 2022 (SCI-Expanded)
- XXIV. Performance of a microjet using component map scaling**
 Coban K., Ekici S., ÇOLPAN C. Ö., Karakoc T. H.
 AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, cilt.94, sa.8, ss.1201-1219, 2022 (SCI-Expanded)
- XXV. Mathematical modeling of a direct dimethyl ether fuel cell**
 Alpaydin G. U., Durmus G. N. B., ÇOLPAN C. Ö., DEVRİM Y.

- INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.46, sa.9, ss.11989-12002, 2022 (SCI-Expanded)
- XXVI. **A comprehensive review on organic Rankine cycle systems used as waste heat recovery technologies for marine applications**
Konur O., Colpan C. Ö., Saatcioglu Ö. Y.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.44, sa.2, ss.4083-4122, 2022 (SCI-Expanded)
- XXVII. **Investigation of the performance of high-temperature electrochemical hydrogen purification from reformatte gases**
Durmus G. N. B., ÇOLPAN C. Ö., DEVRİM Y.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.46, sa.8, ss.11443-11455, 2022 (SCI-Expanded)
- XXVIII. **Promising fuels and green energy technologies for aviation**
Karakoc T. H., ÇOLPAN C. Ö., Ekici S., YETİK Ö.
INTERNATIONAL JOURNAL OF GREEN ENERGY, 2022 (SCI-Expanded)
- XXIX. **Local entropy generation and exergy analysis of the condenser in a direct methanol fuel cell system**
Ince A. C., SERİNCAN M. F., ÇOLPAN C. Ö.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.47, sa.45, ss.19850-19864, 2022 (SCI-Expanded)
- XXX. **Biomass gasification for sustainable energy production: A review**
Tezer O., Karabag N., Ongen A., ÇOLPAN C. Ö., AYOL A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.47, sa.34, ss.15419-15433, 2022 (SCI-Expanded)
- XXXI. **A review on mathematical modeling of packed bed membrane reactors for hydrogen production from methane**
Atak Y. N., ÇOLPAN C. Ö., Iulianelli A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.45, sa.15, ss.20601-20633, 2021 (SCI-Expanded)
- XXXII. **A Comparison of the Effects of Sodium Borohydride-Based Hydrogen Storage System and Compressed Hydrogen Storage Tank on the Fuel Cell Vehicle Performance**
Alpaydin C. Y., ÇOLPAN C. Ö., KARAOĞLAN M. U., KARAHAN GÜLBAY S.
JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME, cilt.143, sa.12, 2021 (SCI-Expanded)
- XXXIII. **Modeling and simulation of Power-to-X systems: A review**
Ince A. C., ÇOLPAN C. Ö., Hagen A., Serincan M. F.
Fuel, cilt.304, 2021 (SCI-Expanded)
- XXXIV. **A review on fuel cell electric vehicle powertrain modeling and simulation**
Alpaslan E., Cetinkaya S. A., Alpaydin C. Y., Korkmaz S. A., Karaoğlan M. U., Çolpan C. Ö., Erginer K. E., Gören A.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2021 (SCI-Expanded)
- XXXV. **Advances in sustainable aviation**
Karakoc T. H., ÇOLPAN C. Ö., Koruyucu E.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, cilt.93, sa.8, ss.1277, 2021 (SCI-Expanded)
- XXXVI. **Thermoeconomic analysis of a biomass and solar energy based organic Rankine cycle system under part load behavior**
Calli O., ÇOLPAN C. Ö., GÜNERHAN H.
SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, cilt.46, 2021 (SCI-Expanded)
- XXXVII. **Sustainable H₂ generation via steam reforming of biogas in membrane reactors: H₂S effects on membrane performance and catalytic activity**
Iulianelli A., Manisco M., Bion N., Le Valant A., Epron F., Colpan C. Ö., Esposito E., Jansen J. C., Gensini M., Caravella A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.46, sa.57, ss.29183-29197, 2021 (SCI-Expanded)
- XXXVIII. **A review on the development of the electrochemical hydrogen compressors**
Durmus G. N. B., ÇOLPAN C. Ö., DEVRİM Y.
JOURNAL OF POWER SOURCES, cilt.494, 2021 (SCI-Expanded)
- XXXIX. **Architecture design and performance analysis of a hybrid hydrogen fuel cell system for unmanned aerial vehicle**
Ozbek E., YALIN G., KARAOĞLAN M. U., Ekici S., ÇOLPAN C. Ö., Karakoc T. H.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.46, sa.30, ss.16453-16464, 2021 (SCI-Expanded)
- XL.** Comparison of single-cell testing, short-stack testing and mathematical modeling methods for a direct methanol fuel cell
 KARAOĞLAN M. U., Ince A. C., Glusen A., ÇOLPAN C. Ö., Mueller M., Stolten D., Kuralay N. S.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.46, sa.6, ss.4844-4856, 2021 (SCI-Expanded)
- XLI.** Production of poly(vinyl alcohol)/Nafion (R) nanofibers and their stability assessment for the use in direct methanol fuel cells
 Zizhou R. E., ÇAY A., AKÇAKOCA KUMBASAR E. P., ÇOLPAN C. Ö.
 JOURNAL OF INDUSTRIAL TEXTILES, cilt.50, sa.6, ss.773-793, 2021 (SCI-Expanded)
- XLII.** A study on determination of component sizing capacity for range performance, cost and CO₂ production of an extended-range electric vehicle
 KARAOĞLAN M. U., Kuralay N. S., ÇOLPAN C. Ö.
 INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.24, ss.326-341, 2021 (SCI-Expanded)
- XLIII.** A pseudo two-phase model to study effects of non-condensable gases on the water autonomy of a direct methanol fuel cell system
 Ince A. C., SERİNCAN M. F., ÇOLPAN C. Ö.
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.163, 2020 (SCI-Expanded)
- XLIV.** Heat exchanger network design of an organic Rankine cycle integrated waste heat recovery system of a marine vessel using pinch point analysis
 Konur O., Saatçioğlu Ö. Y., Korkmaz S. A., Erdogan A., Çolpan C. Ö.
 INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.44, sa.15, ss.12312-12328, 2020 (SCI-Expanded)
- XLV.** Thermodynamic analysis of a supercritical closed Brayton cycle integrated with parabolic trough solar collectors
 Erdogan A., Kızılkan O., ÇOLPAN C. Ö.
 JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, cilt.141, sa.1, ss.231-244, 2020 (SCI-Expanded)
- XLVI.** Coupled computational fluid dynamics-response surface methodology to optimize direct methanol fuel cell performance for greener energy generation
 Sharifi S., Rahimi R., Mohebbi-Kalhori D., ÇOLPAN C. Ö.
 ENERGY, cilt.198, 2020 (SCI-Expanded)
- XLVII.** Preface to special issue on hydrogen energy technologies for mitigating global warming
 ÇOLPAN C. Ö., EZAN M. A.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, sa.5, ss.3395, 2020 (SCI-Expanded)
- XLVIII.** Energy and exergy performance assessments of a high temperature-proton exchange membrane fuel cell based integrated cogeneration system
 Nalbant Y., ÇOLPAN C. Ö., DEVRİM Y.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, sa.5, ss.3584-3594, 2020 (SCI-Expanded)
- XLIX.** A review on the catalysts used for hydrogen production from ammonia borane
 Alpaydin C. Y., KARAHAN GÜLBAY S., ÇOLPAN C. Ö.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, sa.5, ss.3414-3434, 2020 (SCI-Expanded)
- L.** Simulation of a hybrid vehicle powertrain having direct methanol fuel cell system through a semi-theoretical approach
 KARAOĞLAN M. U., Ince A. C., ÇOLPAN C. Ö., Gluesen A., Kuralay N. S., Mueller M., Stolten D.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, sa.34, ss.18981-18992, 2019 (SCI-Expanded)
- LI.** Semiempirical thermodynamic modeling of a direct methanol fuel cell system
 Ince A. C., KARAOĞLAN M. U., Gluesen A., ÇOLPAN C. Ö., Mueller M., Stolten D.
 INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.43, sa.8, ss.3601-3615, 2019 (SCI-Expanded)
- LII.** Performance of an HT-PEMFC having a catalyst with graphene and multiwalled carbon nanotube support
 Alpaydin G. U., DEVRİM Y., ÇOLPAN C. Ö.
 INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.43, sa.8, ss.3578-3589, 2019 (SCI-Expanded)
- LIII.** Performance assessment of a marine freshwater generator through exergetic optimization

- Yüksel O., Gulmez Y., Konur O., Korkmaz S. A., Erdogan A., Çolpan C. Ö.
 JOURNAL OF CLEANER PRODUCTION, cilt.219, ss.326-335, 2019 (SCI-Expanded)
- LIV. The effect of gear ratios on the exhaust emissions and fuel consumption of a parallel hybrid vehicle powertrain**
 KARAOĞLAN M. U., Kuralay N. S., ÇOLPAN C. Ö.
 JOURNAL OF CLEANER PRODUCTION, cilt.210, ss.1033-1041, 2019 (SCI-Expanded)
- LV. Energy, exergy and exergoeconomic analyses of a solar refrigeration cycle using nanofluid**
 Asgharian H., Baniasadi E., ÇOLPAN C. Ö.
 INTERNATIONAL JOURNAL OF EXERGY, cilt.30, sa.1, ss.63-85, 2019 (SCI-Expanded)
- LVI. Energy, exergy and thermoeconomic analyses of biomass and solar powered organic Rankine cycles**
 Calli O., ÇOLPAN C. Ö., GÜNERHAN H.
 INTERNATIONAL JOURNAL OF EXERGY, cilt.29, ss.172-192, 2019 (SCI-Expanded)
- LVII. Investigation of the effects of battery types and power management algorithms on drive cycle simulation for a range-extended electric vehicle powertrain**
 KARAOĞLAN M. U., Kuralay N. S., ÇOLPAN C. Ö.
 INTERNATIONAL JOURNAL OF GREEN ENERGY, cilt.16, sa.1, ss.1-11, 2019 (SCI-Expanded)
- LVIII. Special Issue on: Energy and Environmental Friendly Applications**
 ÇOLPAN C. Ö., EZAN M. A.
 INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.19, ss.1-2, 2019 (SCI-Expanded)
- LIX. Development of a one-dimensional and semi-empirical model for a high temperature proton exchange membrane fuel cell**
 Nalbant Y., ÇOLPAN C. Ö., DEVRİM Y.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.11, ss.5939-5950, 2018 (SCI-Expanded)
- LX. Three dimensional modeling of a FE-DMFC short-stack**
 ÇOLPAN C. Ö., Ouellette D.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.11, ss.5951-5960, 2018 (SCI-Expanded)
- LXI. PERFORMANCE ASSESSMENT OF SHELL AND TUBE HEAT EXCHANGER BASED SUBCRITICAL AND SUPERCRITICAL ORGANIC RANKINE CYCLES**
 Erdogan A., ÇOLPAN C. Ö.
 THERMAL SCIENCE, cilt.22, 2018 (SCI-Expanded)
- LXII. Assessment of different bio-inspired flow fields for direct methanol fuel cells through 3D modeling and experimental studies**
 Ouellette D., Ozden A., Ercelik M., ÇOLPAN C. Ö., GANJEHSARABI H., Li X., Hamdullahpur F.
 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.2, ss.1152-1170, 2018 (SCI-Expanded)
- LXIII. Evaluation of sulfonated polysulfone/zirconium hydrogen phosphate composite membranes for direct methanol fuel cells**
 Ozden A., Ercelik M., DEVRİM Y., ÇOLPAN C. Ö., Hamdullahpur F.
 ELECTROCHIMICA ACTA, cilt.256, ss.196-210, 2017 (SCI-Expanded)
- LXIV. Application of thermodynamic laws on a military helicopter engine**
 Coban K., ÇOLPAN C. Ö., KARAKOÇ T. H.
 ENERGY, cilt.140, ss.1427-1436, 2017 (SCI-Expanded)
- LXV. Exergetic and exergoeconomic assessment of a small-scale turbojet fuelled with biodiesel**
 Coban K., ŞÖHRET Y., ÇOLPAN C. Ö., KARAKOÇ T. H.
 ENERGY, cilt.140, ss.1358-1367, 2017 (SCI-Expanded)
- LXVI. Reduction of methanol crossover in a flowing electrolyte-direct methanol fuel cell**
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- I. **Doğrudan Metanollu Yakıt Pili (DMYP) Sistemindeki Yoğuşturucunun Hava Tarafı Termal Modellemesi**
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I. COMPARATIVE ANALYSIS OF LUMPED MODEL AND NTGK MODEL APPROACHES FOR LI-ION BATTERIES

Tekin V., Karakor A., Korkmaz S. A., Çolpan C. Ö., Ezan M. A., Karaoglan M. U., Erek A., Çetkin E.

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II. INVESTIGATION OF COLD PLATE-BASED THERMAL MANAGEMENT SYSTEM FOR LI-ION BATTERIES

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VIII. TEMPERATURE CHANGE OF A VEHICLE BATTERY DURING THE DRIVING CYCLE

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11th Global Conference on Global Warming, İstanbul, Türkiye, 14 - 16 Haziran 2023, ss.38-42

IX. Assessing Economic Viability of Fuel Cell and Battery Hybrid Propulsion in Recreational Boats: Incorporating Degradation Rate in Batteries

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X. 2D Mathematical Modeling of a Metal Hydride Hydrogen Storage Tank

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XI. Design and analysis of battery cooling with cold plate for electric vehicles

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- XIV. **MATHEMATICAL MODELING AND DYNAMIC SIMULATION OF A PV-BASED HYDROGEN GENERATION AND STORAGE SYSTEM**
Soytürk G., Kızılkın Ö., Ezan M. A., Çolpan C. Ö.
23rd World Hydrogen Energy Conference (WHEC-2022), İstanbul, Türkiye, 26 - 30 Haziran 2022, ss.1078-1080
- XV. **COMPARATIVE STUDY ON ACTIVE AND PASSIVE THERMAL MANAGEMENT OPTIONS OF A METAL HYDRIDE HYDROGEN STORAGE TANK**
Dişli T., Çetinkaya S. A., EZAN M. A., ÇOLPAN C. Ö.
23rd World Hydrogen Energy Conference (WHEC-2022), İstanbul, Türkiye, 26 - 30 Haziran 2022, ss.630-633
- XVI. **SOLAR ASSISTED HYDROGEN PRODUCTION VIA PV/T ASSISTED SMALL SCALE TRANSCRITICAL POWER CYCLE WITH DIRECT STEAM GENERATION**
Soytürk G., Kızılkın Ö., Ezan M. A., Çolpan C. Ö.
23rd World Hydrogen Energy Conference (WHEC-2022), İstanbul, Türkiye, 26 - 30 Haziran 2022, ss.1098-1100
- XVII. **DRIVE CYCLE SIMULATION OF A SMALL-SIZED FUEL CELL ELECTRIC VEHICLE**
Alpaslan E., Karaoğlan M. U., Çolpan C. Ö.
23rd World Hydrogen Energy Conference, İstanbul, Türkiye, 26 - 30 Haziran 2022, ss.1341-1343
- XVIII. **MULTI-OBJECTIVE OPTIMIZATION OF AN INTEGRATED DOWNDRAFT BIOMASS GASIFIER AND SOLID OXIDE FUEL CELL SYSTEM**
Dursun B., Erdoğa n A., Çolpan C. Ö., Ayol A.
23rd World Hydrogen Energy Conference, WHEC 2022, İstanbul, Türkiye, 26 - 30 Haziran 2022, ss.1091-1094
- XIX. **Comparison of various metaheuristic algorithms to find the optimal PEMFC modeling parameters**
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- XX. **Parameter optimization of PEMFC by Elitist Continuous Genetic Algorithm**
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6th International Hydrogen Technologies Congress, Çanakkale, Türkiye, 23 Ocak 2022, ss.176-179
- XXI. **Thermodynamic Performance Assessment of an Integrated Downdraft Biomass Gasifier and Solid Oxide Fuel Cell System**
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6th International Hydrogen Congress, Çanakkale, Türkiye, 23 - 26 Ocak 2022
- XXII. **Environmental Analysis of Fuel Cell-Battery Hybrid System for an Oil/Chemical Tanker Ship**
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6th International Hydrogen Technologies Congress (IHTEC 2022), Çanakkale, Türkiye, 23 - 26 Haziran 2022, ss.371-375
- XXIII. **Economic Evaluation of a Marine Ammonia Engine-Based Propulsion System Using Ammonia Cracking Catalyst**
KONUR O., YÜKSEL O., KORKMAZ S. A., ÇOLPAN C. Ö.
6th International Hydrogen Technologies Congress (IHTEC 2022), Çanakkale, Türkiye, 23 - 26 Ocak 2022, ss.172-175
- XXIV. **NUMERICAL AND EXPERIMENTAL ASSESSMENT OF A THERMAL MANAGEMENT SYSTEM FOR METAL HYDRIDE HYDROGEN TANK**
Efekan A., Yaşa r B., Karakahya E., Dalgiç I., Demir M. H., Demir M., Yaraş N. A., EZAN M. A., ÇOLPAN C. Ö.
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- XXV. **A SYSTEM MODEL FOR SIMULATING A FUEL CELL RECREATIONAL BOAT**
KORKMAZ S. A., Çetinkaya S. A., Göksu B., KONUR O., ERGİNER K. E., ÇOLPAN C. Ö.

- 23rd World Hydrogen Energy Conference: Bridging Continents by H2, WHEC 2022, İstanbul, Türkiye, 26 - 30 Haziran 2022, ss.1087-1090
- XXVI. TECHNO-ECONOMIC PERFORMANCE ASSESSMENT OF A REACTOR SYSTEM USED FOR POWER-TO-METHANE PLANT**
Ince A. C., ÇOLPAN C. Ö., Keles A., Serincan M. F., Pasaogullari U.
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- XXVII. DRIVE CYCLE SIMULATION OF A FUEL CELL HYBRID ELECTRIC HEAVY VEHICLE EQUIPPED WITH A BATTERY AND AN INTERNAL COMBUSTION ENGINE**
Alpaslan E., ÇOLPAN C. Ö., KARAOĞLAN M. U.
9th Global Conference on Global Warming (GCGW-2021), Hırvatistan, 1 - 04 Ağustos 2021, ss.216-219
- XXVIII. MODELING OF A BIOMASS GASIFICATION SYSTEM USING ASPEN PLUS**
Dursun B., Gür M., Erdoğan A., ÇOLPAN C. Ö., AYOL A.
Global Conference on Global Warming, Hırvatistan, 1 - 04 Ağustos 2021
- XXIX. Powertrain Analysis of Heavy Duty Electric Vehicle with Wheeled and Tracked Alternatives**
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12th International Exergy, Energy and Environment Symposium (IEEES-12), Doha, Qatar, 20 - 24 Aralık 2020
- XXX. Thermodynamic Modeling of a Seawater-Cooled Foldable PV Panel System**
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7th Global Conference on Global Warming (GCGW), İzmir, Türkiye, 24 - 28 Haziran 2018, ss.259-272
- XXXI. Heat Exchanger Network Design of an Organic Rankine Cycle System Utilizing Waste Heat of a Marine Vessel Using Pinch Point Analysis**
KONUR O., KORKMAZ S. A., ERDOGAN A., ÇOLPAN C. Ö., SAATÇİOĞLU Ö. Y.
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- XXXII. DESIGN AND SIMULATION OF N1 CLASS RANGE EXTENDED ELECTRIC ROAD CLEANER VEHICLE**
KARAOĞLAN M. U., Namlı H., ÇOLPAN C. Ö., KURALAY N. S.
8th Global Conference on Global Warming, Doha, Qatar, 22 - 25 Nisan 2019, ss.340-343
- XXXIII. Comparison of DMFC Performance Through Different Approaches**
KARAOĞLAN M. U., Ince A. C., Glüsen A., ÇOLPAN C. Ö., Müller M., Stolten D., KURALAY N. S.
8th Global Conference on Global Warming, Doha, Qatar, 22 - 25 Nisan 2019, ss.344-347
- XXXIV. Thermodynamic Performance Assessment of Solar Based Closed Brayton Cycle for Different Supercritical Fluids**
Erdogan A., Kızılkan O., ÇOLPAN C. Ö.
4th International Conference on Smart and Sustainable Technologies (SpliTecH), Hırvatistan, 18 - 21 Haziran 2019, ss.440-444
- XXXV. Mathematical modeling of a small scale catalytic reactor for hydrogen production from boron compounds**
Alpaydin C. Y., ÇOLPAN C. Ö., KARAHAN GÜLBAY S.
4th International Conference on Smart and Sustainable Technologies (SpliTecH), Hırvatistan, 18 - 21 Haziran 2019, ss.345-348
- XXXVI. Optimization of modeling parameters of of a direct dimethyl ether fuel cell (DDMEFC)**
Alpaydin G. U., ÇOLPAN C. Ö., DEVİRİM Y.
4th International Conference on Smart and Sustainable Technologies (SpliTecH), Hırvatistan, 18 - 21 Haziran 2019, ss.349-352
- XXXVII. DESIGNING A SIMULATION METHOD FOR FUEL CELL HYBRID POWERTRAIN SYSTEMS IN MATLAB/SIMULINK ENVIRONMENT**
KARAOĞLAN M. U., KURALAY N. S., ÇOLPAN C. Ö.
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- XXXVIII. THERMODYNAMIC MODELLING OF A SEAWATER COOLED FOLDABLE PV PANEL SYSTEM**
Konur O., Korkmaz S. A., Yüksel O., Gülmek Y., Erdogan A., Erginer K. E., Çolpan C. Ö.

- 7th Global Conference On Global Warming, İzmir, Türkiye, 24 - 28 Haziran 2018, ss.643-648
- XXXIX. **Thermodynamic Modelling of an ORC System Utilizing Waste Heat of a Marine Vessel**
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7th Global Conference on Global Warming, İzmir, Türkiye, 24 - 28 Haziran 2018, ss.950-955
- XL. **Energy Analysis of a Vacuum Fresh Water Generator on a Commercial Vessel**
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