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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2004 - 2010

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Otomotiv (YI), Turkey 2001 - 2004

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği Bölümü, Turkey 1997 - 2001

Foreign Languages

German

English

Dissertations

Doctorate, Aktif akış kontrolü için jet ve vorteks aktüatörünün deneysel ve sayısal araştırılması, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2010

Postgraduate, Doğal gaz yanma mekanizmasının incelenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Otomotiv (YI), 2004

Research Areas

Technical Sciences, Mechanical Engineering, Energy, Fluid Mechanics, Thermodynamics, Heat and Mass Transfer, Computational fluid dynamics, Basic Sciences, Mathematics, Numerical Analysis

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Makina, Makina Mühendisliği, 2020 - Continues

Assistant Professor, Istanbul Technical University, Makina, Makina Mühendisliği, 2014 - 2020

Lecturer PhD, Istanbul Technical University, Makina, Makina Mühendisliği, 2011 - 2014

Research Assistant, Istanbul Technical University, Makina, Makina Mühendisliği, 2005 - 2011

Advising Theses

Erden H. S., Çadircı S., Numerical investigation of CRAH bypass in the air-cooled data centers, Postgraduate, V.EBRAHIMPOUR(Student), 2019

Çadircı S., TLM16V185 Tipi Ağır İş Dizel Motoru için Silindir İçi Akış Yapısının Sayısal İncelenmesi, Postgraduate, E.Ayaz(Student), 2017

Çadircı S., SIMULATION OF THE CLUTCH PEDAL RETURN TIME FOR LIGHT COMMERCIAL VEHICLES, Postgraduate, B.Toptan(Student), 2017

Çadircı S., EV TİPİ ÜRÜNLERE ENTEGRE ISI POMPALI ATMOSFERİK SU JENERATÖRÜ TASARIMI, Postgraduate, S.Solmaz(Student), 2016

Jury Memberships

Doctorate, Dr tezi savunma jüri üyeliği, İTÜ, June, 2017

Post Graduate, YL tez savunma jüri üyeliği, İTÜ, June, 2017

Doctoral Examination, Dr yeterlik sınav jürlüğü, İTÜ, May, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of inertial focusing of micro- and nanoparticles in spiral microchannels using computational fluid dynamics**
Aldemir A. T., Çadircı S., Trabzon L.
Physics of Fluids, vol.35, no.11, 2023 (SCI-Expanded)
- II. **NUMERICAL INVESTIGATION OF PLATE COOLING USING MULTIPLE IMPINGING JETS IN DIFFERENT ALIGNMENTS FARKLI DİZİMLERDE ÇOKLU ÇARPAN JETLER İLE PLAKA SOĞUTMASININ SAYISAL OLARAK İNCELEMESİ**
YILDIZELİ A., ÇADIRCI S.
Isi Bilimi Ve Teknigi Dergisi/ Journal of Thermal Science and Technology, vol.43, no.1, pp.1-10, 2023 (SCI-Expanded)
- III. **Experimental and numerical study of the effect of the channel curvature angle on inertial focusing in curvilinear microchannels**
Ince D., Turhan H., Çadircı S., Trabzon L.
Journal of Applied Physics, vol.132, no.22, 2022 (SCI-Expanded)
- IV. **Artificial neural network model and multi-objective optimization of microchannel heat sinks with diamond-shaped pin fins**
Polat M. E., Çadircı S.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.194, 2022 (SCI-Expanded)
- V. **Dynamic Modeling and Experimental Validation of a Domestic Refrigeration Cycle**
Caglayan A., Husain S. M., Ipek M., Aynur T. N., Çadircı S.
JOURNAL OF THERMAL SCIENCE AND ENGINEERING APPLICATIONS, vol.14, no.7, 2022 (SCI-Expanded)
- VI. **Parametric study and optimization of microchannel heat sinks with various shapes**
Kose H. A., Yıldızeli A., Çadircı S.
APPLIED THERMAL ENGINEERING, vol.211, 2022 (SCI-Expanded)
- VII. **Multi-objective optimization and performance assessment of microchannel heat sinks with micro pin-fins**
Polat M. E., Ulger F., Çadircı S.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.174, 2022 (SCI-Expanded)
- VIII. **Flow Separation Control on NACA0015 Airfoil Using Synchronized Jet Actuator**
Sonkaya F., Çadircı S., Erdem D.

Journal of Applied Fluid Mechanics, vol.15, no.2, pp.427-440, 2022 (SCI-Expanded)

- IX. **Investigation of Suction Flow Control on Centrifugal Compressor with Vaned Diffuser**
Ak S. E., Çadirci S.
ENERGIES, vol.15, no.2, 2022 (SCI-Expanded)
- X. **Studying dynamic stress effects on the behaviour of THP-1 cells by microfluidic channels**
Birol S. Z., Fucucuoglu R., Çadirci S., Sayı Yazgan A., Trabzon L.
SCIENTIFIC REPORTS, vol.11, no.1, 2021 (SCI-Expanded)
- XI. **Numerical Investigation of Active Flow Control on Laminar Forced Convection over a Backward Facing Step Surrounded by Multiple Jets**
Coskun U. C., Cadirci S., Gunes H.
JOURNAL OF APPLIED FLUID MECHANICS, vol.14, no.2, pp.447-458, 2021 (SCI-Expanded)
- XII. **Multi-objective optimization of multiple impinging jet system through genetic algorithm**
Yıldızeli A., Çadirci S.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.158, 2020 (SCI-Expanded)
- XIII. **Multi objective optimization of a micro-channel heat sink through genetic algorithm**
Yıldızeli A., Çadirci S.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.146, 2020 (SCI-Expanded)
- XIV. **Experimental and numerical investigation of lubrication system for reciprocating compressor**
Özsipahi M., Kose H. A., Çadirci S., Kerpici H., Güneş H.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.108, pp.224-233, 2019 (SCI-Expanded)
- XV. **Experimental and numerical investigation on particle-particle interaction of multi-particle separation in an alternating and repetitive microchannel**
Çadirci S., İnce D., Ghanem İ., Birol S. Z., Trabzon L., Turhan H.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.25, no.1, pp.307-318, 2019 (SCI-Expanded)
- XVI. **Investigation on the effects of variable shear stress on monocyte cell morphology**
BIROL S. Z., FUCUCUOGLU R., Çadirci S., SAYI-YAZGAN A., Trabzon L.
Micro and Nano Letters, vol.12, no.11, pp.881-885, 2017 (SCI-Expanded)
- XVII. **Numerical and experimental investigation of wiper system performance at high speeds**
Çadirci S., AK S., SELENBAS B., Güneş H.
Journal of Applied Fluid Mechanics, vol.10, no.3, pp.861-870, 2017 (SCI-Expanded)
- XVIII. **GEOMETRIC MODIFICATIONS TO MINIMIZE LIFT ACTING ON A SIMPLIFIED FRONT WINDSHIELD WIPER BLADE**
ÇADIRCI S., Ak S. E., Selenbas B., Güneş H.
ISI Bilimi ve Teknigi Dergisi-Journal of Thermal Science and Technology, vol.0, no.36, pp.103-109, 2016 (SCI-Expanded)
- XIX. **A comparison of an analytical and numerical flow model for the lubrication system of a variable speed hermetic compressor**
Özsipahi M., Cadirci S., Gunes H., Sarioglu K.
Isi Bilimi Ve Teknigi Dergisi/ Journal of Thermal Science and Technology, vol.36, no.2, pp.41-49, 2016 (SCI-Expanded)
- XX. **A numerical study on the lubrication system for a hermetic reciprocating compressor used in household refrigerators**
Özsipahi M., CADIRCI S., Güneş H., SARIOGLU K., KERPICCI H.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.48, pp.210-220, 2014 (SCI-Expanded)
- XXI. **Numerical investigation of a jet and vortex actuator in a cross flow boundary layer**
Çadirci S., Güneş H., Rist U.
EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, vol.44, pp.42-59, 2014 (SCI-Expanded)
- XXII. **HEAT TRANSFER ENHANCEMENT BEHIND A BACKWARD FACING STEP WITH ACTIVE FLOW**

CONTROL

Çadircı S., Güneş H.

ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.34, no.2, pp.129-141, 2014 (SCI-Expanded)

XXIII. **Active flow control applications with a jet and vortex actuator in a laminar cross flow**

Çadircı S., Güneş H., RIST U.

INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW, vol.39, pp.146-159, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of the Effects of Needle Designs on the Root Canal Irrigation Using Computational Fluid Dynamics**
YILDIZELİ A., Bulgu S., Cadirci S., YILDIRIM S.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.25, no.75, pp.769-780, 2023 (Peer-Reviewed Journal)
- II. **Investigation of Mechanical Effects on Heat Pump Evaporator to Accelerate Water Drainage**
Solmaz S., KERPIÇÇİ H., ÇADIRCI S.
INTERNATIONAL JOURNAL OF HEAT AND TECHNOLOGY, vol.37, no.4, pp.966-974, 2019 (ESCI)
- III. **AĞIR İŞ DİZEL MOTORU SİLİNDİRİ İÇERİSİNDEKİ SOĞUK HAVA AKIŞININ SAYISAL İNCELENMESİ**
AYAZ E., KÖTEN H., ÇADIRCI S.
Marmara Fen Bilimleri Dergisi, 2018 (Peer-Reviewed Journal)
- IV. **Mikrokanallarda cidar kayma gerilmesi ve basınç farkının sayısal olarak incelenmesi**
Çadircı S., Demir U., Birol S. Z., Trabzon L., Güneş H.
Pamukkale Üniversitesi Mühendislik Dergisi, vol.24, no.1, pp.19-24, 2018 (Peer-Reviewed Journal)
- V. **Improving Aerodynamic Performance for a Reliable Wiper System**
Çadircı S., AK S. E., SELENBAS B., GUNES H.
INTERNATIONAL JOURNAL OF AUTOMOTIVE ENGINEERING AND TECHNOLOGIES, vol.6, no.1, pp.30-40, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **CFD Strategies for Transonic Flows with OpenFOAM Using High Skewed Tetrahedral Meshes**
Buluş H., ÇADIRCI S.
10th International Symposium on Innovative Technologies in Engineering and Science, Turkey, 21 October 2022
- II. **Investigation of Grooved Heat Pipe Embedded Cold Plate Design with Additive Manufacturing**
Yagci V., Parlak M., Çadircı S.
28th International Workshop on Thermal Investigations of ICs and Systems, THERMINIC 2022, Dublin, Ireland, 28 - 30 September 2022
- III. **NUMERICAL INVESTIGATION AND VALIDATION OF JET TEMPERATURE EFFECTS ON NOZZLE-AFTERBODY DRAG**
Haznedaroğlu B., Çiftçi Ö., Çadircı S., Aytaç S.
International Mechanical Engineering Congress and Exposition IMECE2021, New York, United States Of America, 1 - 05 November 2021, pp.1-9
- IV. **Parametric Investigation on Thermal and Hydraulic Performance of Minichannel Heatsink**
Atalay O., Gültekin M., Çadircı S.
International Mechanical Engineering Congress and Exposition IMECE2021, New York, United States Of America, 1 - 05 November 2021, pp.1-9
- V. **Parametric Study On Hydraulic And Thermal Performance Of Finned Microchannel Heat Sinks**
Polat M. E., Ülger F., Çadircı S.

15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Pretoria, South Africa, 26 - 28 July 2021, pp.1784-1790

- VI. **Validation of a Radial Compressor CFD Analysis**
Ak S. E., Çadırcı S.
8th International Symposium on Innovative Technologies in Engineering and Science, Bursa, Turkey, 23 - 25 October 2020, pp.84-90
- VII. **Design Optimization of Triangular Microchannel Heat Sink Using Genetic Algorithm**
Köse H. A., Yıldızeli A., ÇADIRCI S.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, Turkey, 17 - 19 December 2019
- VIII. **Analytical and Numerical Solutions of 1D Advection-Diffusion Equation**
Canbolat G., Köse H. A., Yıldızeli A., ÇADIRCI S.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 17 - 19 December 2019
- IX. **Numerical Investigation of Transitional Flow over a Flat Plate under Constant Heat Fluxes**
CANBOLAT G., YILDIZELİ A., Köse H. A., ÇADIRCI S.
6th International Symposium on Innovative Technologies in Engineering and Science, Antalya, Turkey, 9 - 11 November 2018, vol.1, pp.187-195
- X. **Numerical Investigation of Conjugate Heat Transfer in Rectangular Micro-Channel Heat Sinks under Laminar Flow Conditions**
Köse H. A., YILDIZELİ A., CANBOLAT G., ÇADIRCI S.
6th International Symposium on Innovative Technologies in Engineering and Science, Antalya, Turkey, 9 - 11 November 2018, vol.1, pp.196-205
- XI. **Dağıtılmış hava jeti kullanarak hassas cisimlerin manipülasyonunun sayısal olarak incelenmesi**
YILDIZELİ A., Karabay A. Y., COŞKUN U. C., ÇADIRCI S., Vatansever E., SÜMER B., KOÇ İ. M.
VIII. Ulusal Hidrolik Pnömatik Kongresi, İstanbul, Turkey, 22 - 25 November 2017
- XII. **Kaviteli Mikroakışkan Kanallarda Uygulanan Kayma Gerilmesinin Monosit Hücrelerine Etkisi**
Fuçucuoglu R., Birol S. Z., Çadırcı S., Trabzon L., Sayı Yazgan A.
23. Ulusal İmmünoloji Kongresi, İstanbul, Turkey, 27 - 30 April 2017, pp.44
- XIII. **Investigation on the effects of variable shear stress on monocyte cell morphology**
Birol S. Z., Fucucuoglu R., Çadırcı S., Sayı Yazgan A., Trabzon L.
12th IEEE Annual International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Los-Angeles, Chile, 9 - 12 April 2017, pp.239-242
- XIV. **Numerical and Analytical Investigation of Viscous Fluids in a Screw Extruder**
Çadırcı S., Özsipahi M., Güneş H.
ASME 2016-International Mechanical Engineering Congress and Exposition (IMECE), Phoenix, United States Of America, 11 - 17 November 2016, pp.1
- XV. **Numerical Investigation of Turbulent Flow over a Windscreen Wiper Blade**
Çadırcı S., Özsipahi M., Coşkun U. C., Selenbaş B., Güneş H.
ASME 2016-International Mechanical Engineering Congress and Exposition (IMECE), Phoenix, United States Of America, 11 - 17 November 2016, pp.1
- XVI. **POD Analysis of Jet and Vortex Flows Induced by Oscillating Backward Facing Step**
Çadırcı S., Özsipahi M., Güneş H.
5th International Conference on Jets, Wakes and Separated Flows (ICJSWF), Stockholm, Sweden, 15 - 18 June 2015, vol.185, pp.249-257
- XVII. **Active Flow Control Behind a Backward Facing Step Using A Zero-Net-Mass-Flux System**
COŞKUN U. C., ÇADIRCI S., GÜNEŞ H.
Proceedings of the 5th International Conference on Jets Wakes and Separated Flows ICJSWF2015, 15 - 18 June 2015
- XVIII. **Active Flow Control behind a BFS Using a Zero-Net-Mass-Flux-System**
Coşkun U. C., Çadırcı S., Güneş H.
Int. Conf. on Jets, Wakes and Separated Flows, Stockholm, Sweden, 16 - 18 June 2015, pp.1

- XIX. Experimental Investigation of Oil Flowrate in a Hermetic Reciprocating Compressor**
Çadircı S., Güneş H., Kerpiççi H.
ESDA2014-20044, Proceedings of the ASME 2014 12th Biennial Conference on Engineering System Design and Analysis ESDA2014, Copenhagen, Denmark, 25 - 27 June 2014, pp.1
- XX. Numerical Simulation of Lubrication System in a Hermetic Reciprocating Compressor**
Özsipahi M., Çadircı S., Güneş H., Kerpiççi H.
ESDA2014-20044, Proceedings of the ASME 2014 12th Biennial Conference on Engineering System Design and Analysis ESDA2014, Copenhagen, Denmark, 25 - 27 June 2014, pp.1
- XXI. Yersel Emme ve Üfleme ile Ters Basamak Ardındaki Akış Kontrolü ve Isı Transferinin İyileştirilmesi**
Coşkun U. C., Çadircı S., Güneş H.
III. Ulusal Havacılıkta İleri Teknolojiler Konferansı, HİTEK 2014, İstanbul, Turkey, 18 - 19 June 2014, pp.1
- XXII. Heat Transfer Enhancement behind a Backward Facing Step Using Localized Suction and Blowing**
Coşkun U. C., Çadircı S., Güneş H.
Proceedings of CONV-14, Int. Symp. on Convective Heat and Mass Transfer, Aydın, Turkey, 8 - 13 June 2014, pp.1
- XXIII. Numerical Investigation of JaVA-Induced Flow in Quiescent Water**
Çadircı S., Güneş H., Rist U.
ASME 2013-International Mechanical Engineering Congress and Exposition (IMECE), San Diego, United States Of America, 15 - 21 November 2013, pp.1
- XXIV. Boundary Layer Separation Control on an Inclined Plate Using Jet and Vortex Actuator**
Çadircı S., Güneş H.
ASME 2013-International Mechanical Engineering Congress and Exposition (IMECE), San Diego, United States Of America, 15 - 21 November 2013, pp.1
- XXV. Hermetik Bir Kompresördeki Yağ Devisinin Deneysel İncelenmesi**
Taş S., Çadircı S., Güneş H., Sarioğlu K., Kerpiççi H.
19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, pp.1
- XXVI. Hermetik Bir Kompresördeki Yağ Devisinin Sayısal İncelenmesi**
Özsipahi M., Çadircı S., Güneş H., Sarioğlu K., Kerpiççi H.
19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, pp.1
- XXVII. Numerical Investigation of Oil Flow in a Hermetic Compressor**
Özsipahi M., Çadircı S., Güneş H., Kerpiççi H.
Proceedings of the 2013 International Conference on Mechanics, Fluids, Heat, Elasticity and Electromagnetic Fields, Venedik, Italy, 1 - 02 January 2013, pp.1
- XXVIII. Experimental Investigation of Jet and Vortex Actuator Using Particle Image Velocimetry**
Çadircı S., Güneş H., Ulrich R.
ASME 2012-International Mechanical Engineering Congress and Exposition (IMECE), Houston, United States Of America, 9 - 15 November 2012, pp.1
- XXIX. Numerical Investigation of Jet and Vortex Actuator (JaVA) for Active Flow Control**
ÇADIRCI S., GÜNEŞ H., RIST U.
AIAA 5th Flow Control Conference, Chicago, Illinois, 28 June - 01 July 2010
- XXX. Proper orthogonal decomposition analysis of JaVA flows for cross flow conditions**
Çadircı S., Güneş H.
ASME 2011-International Mechanical Engineering Congress and Exposition (IMECE), Denver, United States Of America, 11 - 17 November 2011, pp.1
- XXXI. PROPER ORTHOGONAL DECOMPOSITON ANALYSIS OF JAVA FLOWS FOR CROSS-FLOW CONDITIONS**
Çadircı S., Güneş H.
ASME International Mechanical Engineering Congress and Exposition (IMECE), Colorado, United States Of America, 11 - 17 November 2011, pp.871-878
- XXXII. A Kriging-simulated annealing meta-algorithm for optimization of convective heat transfer in a grooved channel**
Çadircı S., Güneş H.
ASME 2011-International Mechanical Engineering Congress and Exposition (IMECE), Denver, United States Of

- America, 11 - 17 November 2011, pp.1
- XXXIII. **Optimization of a centrifugal fan impeller using Kriging-simulated annealing**
Çadircı S., Güneş H., Selenbaş B.
ASME 2011-International Mechanical Engineering Congress and Exposition (IMECE), Denver, United States Of America, 11 - 17 November 2011, pp.1
- XXXIV. **Flow separation control behind a backward facing step**
Çadircı S., Güneş H.
7. International Conference on Computational Heat and Mass Transfer (ICCHMT), İstanbul, Turkey, 18 - 22 June 2011, pp.1
- XXXV. **Flow visualizations of jet and vortex actuator under cross flow conditions**
Çadircı S., Güneş H., Rist U.
7. International Conference on Computational Heat and Mass Transfer (ICCHMT), İstanbul, Turkey, 18 - 22 June 2011, pp.1
- XXXVI. **On the Use of POD Models for Convective Flow in a Grooved Channel**
Çadircı S., Güneş H.
ESDA2010-24892, Proceedings of the ASME 2010 10th Biennial Conference on Engineering System Design and Analysis ESDA2010, İstanbul, Turkey, 12 - 14 June 2010, pp.1
- XXXVII. **Numerical Simulation of Mixed Convection in a Rectangular Cavity with Multiple Heat Sources**
Güneş H., Çadircı S.
IMECE2009-11472, ASME International Mechanical Engineering Congress & Exposition, Orlando, United States Of America, 13 - 19 November 2009, pp.1
- XXXVIII. **Modeling and Inverse Design of Convective Heat Transfer in a Grooved Channel Using Proper Orthogonal Decomposition**
Güneş H., Çadircı S.
IMECE2009-10780, ASME International Mechanical Engineering Congress & Exposition, Orlando, United States Of America, 13 - 19 November 2009, pp.1
- XXXIX. **Akış Kontrolü İçin Jet ve Vorteks Aktüatör (JaVA) Akış Tiplerinin Deneysel İncelenmesi**
Güneş H., Çadircı S., Rist U.
II. Ulusal Havacılık ve Uzay Konferansı İTÜ, İstanbul, Turkey, 15 - 17 October 2008, pp.1
- XL. **Taşınım İle Isı Transferinin Kriging -Benzetilmiş Tavlama ile Modellenmesi ve Optimizasyonu**
Güneş H., Çadircı S., Akgüç A.
Bilimde Modern Yöntemler Sempozyumu, Eskişehir, Turkey, 15 - 17 October 2008, pp.1
- XLI. **Temporal Analysis of Jet and Vortex Actuator (JaVA)-induced Flows**
Çadircı S., Güneş H., Rist U.
International Conference on Jets, Wakes and Separated Flows, Berlin, Germany, 16 - 19 September 2008, pp.1
- XLII. **An Experimental Investigation of Jet and Vortex Actuator for Active Flow Control**
Güneş H., Çadircı S., Rist U.
4th AIAA Flow Control Conference / Actuator Induced Flow Types, Seattle, United States Of America, 23 - 26 June 2008, pp.1

Supported Projects

Çadircı S., Project Supported by Higher Education Institutions, Numerical Investigation of Inertial Focusing of Micro and Nanoparticles in Curvilinear Microchannels (Eğrisel Mikrokanallarda Mikro ve Nanopartiküllerin Ataletsel Odaklanmasının Sayısal İncelenmesi), 2020 - 2022

Çadircı S., YILDIZELİ A., Koç İ. M., Özın M. C., Project Supported by Higher Education Institutions, Düşük Basıncılı Pnömatik Sistem ile Hassas Cisimlerin Temassız Kaldırılması, 2018 - 2021

Söylemez E., Subaşı A., Koç İ. M., Çadircı S., Sayar E., Böke Y. E., Development Agency, Eklemeli İmalat Eğitim ve Araştırma Merkezi (EKAM), 2018 - 2020

Çadircı S., Güneş H., TÜBİTAK International Bilateral Joint Cooperation Program Project, Uygun Soğutkan Karışımları ve

Yağlar Kullanılarak Buzdolapları ve Isı Pompalı Kurutucularda Enerji Verimliliğinin Arttırılması (REFMIX), 2017 - 2020
Trabzon L., Çadircı S., Kızıl H., Güneş H., Sayı Yazgan A., TUBITAK Project, Mikroakışkan Sistemler Kullanılarak Mekanik Kuvvetlerin Endotel Hücre Davranışı Üzerine Etkilerinin Mekanobiyolojik Odağında İncelenmesi, 2014 - 2017
Çadircı S., Güneş H., Industrial Thesis Project, Silecek sistemlerinin yüksek hızlarda aerodinamik performanslarını arttıracak yeni spoiler tasarımı ve prototip üretimi, 2014 - 2016
Çadircı S., Güneş H., Industrial Thesis Project, Buzdolaplarında Kullanılan Değişken Kapasiteli Hermetik Kompresörlerin Yeni Nesil Yağlama Sisteminin Tasarımı ve Prototip Üretimi, 2012 - 2014
Çadircı S., Güneş H., TÜBİTAK International Bilateral Joint Cooperation Program Project, Development and testing of a Jet and Vortex Actuator -JaVA- for active flow control, 2008 - 2011
Çadircı S., Delale C., Ayder E., TUBITAK Project, Sıvılaştırılmış yakıtlı türbopompaların tasarımı ve kavitasyon optimizasyonu, 2005 - 2008

Metrics

Publication: 83
Citation (WoS): 103
Citation (Scopus): 242
H-Index (WoS): 6
H-Index (Scopus): 9

Non Academic Experience

Stuttgart Üniversitesi, Aerodinamik ve Gaz Dinamiği Enstitüsü
Von Karman Akışkanlar Dinamiği Enstitüsü (VKI)