



دانشگاه صنعتی امیرکبیر
(پلی تکنیک تهران)

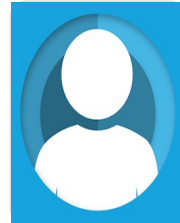
پست الکترونیک:
hoseinir@aut.ac.ir

شماره تماس:

:(Scopus) h-index
25
ارجاعات (Scopus):
1712

رضا حسینی ابرده

استاد
دانشکده مهندسی مکانیک
(پیشکسوت)



رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	مدلسازی تحلیلی و تجربی رفتار دینامیکی نیروگاه دودکش خورشیدی با سامانه انباره گرمایی	امیر عارفیان و رضا حسینی ابرده	شهریور 1400
2	بررسی عددی و تجربی جریان و انتقال حرارت جابجایی در لوله هم مرکز و خارج از مرکز عمودی با وجود فین پیچشی روی لوله داخلی	مسعود رمضانپور طرقي و رضا حسینی ابرده	مهر 1398
3	بررسی عددی و تجربی انتقال حرارت جابجایی اجباری فرولوید در لوله افقی نیمه پر از محیط متخلخل در حضور میدان مغناطیسی	یحیی شیخ نژاد و رضا حسینی ابرده	بهمن 1394
4	شبیه سازی احتراق مخلوط همگن اشتعال تراکمی برای سوخت های زیستی به منظور تعیین زمان شروع احتراق	آیت اله قره قانی و رضا حسینی ابرده	آبان 1394
5	حل تحلیلی جریان آرام جت برخوردی نانو سیال با وجود اثر حرکت براونی و ترموفورز	سعید دیناروند و رضا حسینی ابرده	خرداد 1394
6	بررسی عددی احتراق در جریان مغشوش و چرخشی به روش LES	احسان توکلی و رضا حسینی ابرده	خرداد 1392

پایان‌نامه‌های کارشناسی ارشد

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	طراحی و پیاده‌سازی یک سیستم نظارت در نیروگاه‌های فتوولتائیک	مسعود امامیان وردی و رضا حسینی ابرده	بهمن 1398
2	مدل سازی عددی جذب حجمی تشعشعات خورشیدی	محمدحسین جمارانی و رضا حسینی ابرده	آذر 1398

3	شبهه سازی خشک کن خورشیدی میوه و سبزی از نوع غیر مستقیم	حسین نیک سرشت و رضا حسینی ابرده	شهریور 1398
4	طراحی، ساخت و ارزیابی عملکرد خشک کن خورشیدی غیرفعال بهبود یافته	علیرضا خیانی و رضا حسینی ابرده	تیر 1398
5	مطالعه تجربی و عددی جریان و انتقال حرارت جابجایی طبیعی بین دو استوانه عمودی هم مرکز/خارج از مرکز با حضور ماده متخلخل	وحید احمدی کلخورانی و رضا حسینی ابرده	اردیبهشت 1398
6	بررسی تحلیلی و تجربی عملکرد ترموالکتریک در متمرکزکننده سهموی خطی مجهز به ردیاب برای تولید هم زمان برق و حرارت	مأده دهقانی محمدآبادی و رضا حسینی ابرده	مهر 1397
7	بررسی سایش ناشی از عبور جریان دوفاز جامد مایع	ابوالفضل باری و رضا حسینی ابرده	اردیبهشت 1397
8	طراحی، ساخت و تحلیل عملکرد آب شیرین کن خورشیدی پلکانی بهبود یافته مجهز به پیش گرم کن متمرکز کننده و تقطیر کننده انتهایی	مروه عبدالساده حسین الحدراوی و رضا حسینی ابرده	اسفند 1396
9	مدلسازی و کنترل یک موتور چهار زمانه دیزلی	مجتبی حاجیانی و رضا حسینی ابرده	بهمن 1396
10	بررسی عددی و تجربی پدیده احتراق در موتور اشتعال تراکمی همگن با کنترل واکنش شیمیایی	سجاد محمدنژاد داریانی و رضا حسینی ابرده	بهمن 1396
11	طراحی، ساخت و بهینه‌سازی عملکرد سامانه قابل حمل تولید توان و حرارت با بهره‌گیری از کلکتور متمرکزکننده خورشیدی	امین طریخواه و رضا حسینی ابرده	مهر 1396
12	بررسی عددی و تجربی استفاده از فوم فلزی در بهینه سازی عملکرد آبگرمکن خورشیدی با سیال تغییر فازدهنده	علی وثوقی و رضا حسینی ابرده	آذر 1395
13	بررسی تجربی و حل عددی جابجایی اجباری اطراف یک دیسک چرخان تحت زاویه ی مختلف برخورد جریا هوا	محمد توحیدی سردشت و رضا حسینی ابرده	آبان 1395
14	بررسی تجربی و عددی تاثیر باد محیطی بر جریان هوای بالارونده از درون دودکش خورشیدی شناور در زوایای انحراف مختلف	محسن رحیمی لرکی و رضا حسینی ابرده	آبان 1395
15	بررسی تجربی و مدلسازی انتقال حرارت از محفظه‌ی گرم به سرد از طریق شیشه‌های یک‌جداره و دوجداره	محمدحسن بی‌تعب و رضا حسینی ابرده	مهر 1395
16	بهبود انعقادخون با تغییر نیروهای بین سلولی	بهرنگ دلاورنیا و رضا حسینی ابرده	تیر 1395
17	بررسی عددی اثر خنک‌کنندگی جریان الکترواستاتیک نانو سیال درون میکروکانالها	محمدرضا مودی و رضا حسینی ابرده	تیر 1395
18	بررسی تجربی و عددی کاربرد نانوسیال در آبگرمکن های خورشیدی در افزایش کارایی آنها	احسان فرج زاده دوین و رضا حسینی ابرده	اسفند 1394
19	مدلسازی و بهبود اختلاط در میکروکانال ها	شیرین فرزنانگان و رضا حسینی ابرده	بهمن 1394
20	بررسی عددی انتقال حرارت جابجایی طبیعی در مخزن استوانه ای تحت تاثیر امواج فراصوت	مریم طالبی و رضا حسینی ابرده	بهمن 1394
21	بررسی تجربی - عددی برخورد جت هوا با سطح مایع	محمد ادیب و رضا حسینی ابرده	بهمن 1394
22	بررسی تجربی و عددی انتقال حرارت در لوله های هم مرکز و خارج از مرکز شیبدار	امین ضیایی شهرکی و رضا حسینی ابرده	مهر 1394
23	مدلسازی و کنترل ایجاد نانو سوراخ ها بر روی غشای سلول داخل یک میکروکانال بر اثرالکتروپوریشن.	معصومه محبوبی و رضا حسینی ابرده	مهر 1394
24	بررسی تجربی اثر میدان الکتریکی بر روی حرکت جریان سیال داخل لوله	حسن پارسا و رضا حسینی ابرده	مهر 1394

شهریور 1394	مهدی حسین زاده هندخاله و رضا حسینی ابرده	25 توسعه یک شبیه ساز دویعدی، موازی و ترکیبی برای مخزن گاز میعانی با در نظر گرفتن تأثیرات جریان غیرداری در نزدیکی چاه
شهریور 1394	حمیدرضا محمودی و رضا حسینی ابرده	26 مدل سازی عددی پارامترهای مؤثر بر فرآیندهای انتقال حرارت در آب شیرین کن های خورشیدی نوع رطوبت زنی و رطوبت زدایی از هوا
بهمن 1393	بهزاد سیاوش املی و رضا حسینی ابرده	27 بررسی تئوری و تجربی انتقال حرارت اجباری جریان فرو فلویید در لوله افقی نیمه پر از محیط متخلخل
آبان 1393	حسن عباسی نژاد و رضا حسینی ابرده	28 شبیه سازی انتقال حرارت جوششی اجباری در مینی کانالها
بهمن 1392	مهرداد گودرزی و رضا حسینی ابرده	29 مطالعه عددی و تجربی رفتار آبگرمکن خورشیدی حاوی مواد تغییر فاز دهنده
بهمن 1392	امیر عارفیان و رضا حسینی ابرده	30 بهینه سازی و پایش نیروگاه دودکش خورشیدی شناور
بهمن 1392	عرفان کشاورزبان و رضا حسینی ابرده	31 تحلیل عددی تبادل گاز در حبابچه های ششی
دی 1392	محمود کرمی نژاد و رضا حسینی ابرده	32 تجهیز موتور تک سیلندر ریکاردو به وسایل اندازه گیری و انجام آزمایش های عملکردی بر روی آن
مهر 1392	حسین کرمی لاکه و رضا حسینی ابرده	33 تحلیل , طراحی و ساخت سامانه ی ترموالکتریک- فتوولتاییک با هدف افزایش راندمان سلول های خورشیدی .
شهریور 1392	صادق خلیلی و رضا حسینی ابرده	34 بررسی تحلیلی و عددی پیرامون جریان و انتقال حرارت روی سطح منقبض شونده یا کشیده شده با سرعت خطی یا غیر خطی در یک نانوسیال
شهریور 1392	حسین تمیم و رضا حسینی ابرده	35 مطالعه تحلیلی و عددی پیرامون جریان های لایه مرزی از یک نانوسیال با نظر به اثرات حرکت براونی و ترموفورز
اسفند 1391	حامد اسگندری اردبیلی و رضا حسینی ابرده	36 کاربرد تئوری ساختاری در مبدل های گرمایی
اسفند 1391	حسین جنتی و رضا حسینی ابرده	37 تحلیل روش تسهیم بهای انرژی در واحدهای مسکونی
اسفند 1391	سپیده کاوسی و رضا حسینی ابرده	38 بهینه سازی ساختاری جریان نانو سیال در چاههای حرارتی میکرو با مقطع مستطیلی
اسفند 1391	سرور کریمی و رضا حسینی ابرده	39 بررسی تئوری و تجربی کارکرد کلکتور خورشیدی با استفاده از مواد تغییر فاز دهنده
شهریور 1391	حامد نصر فردجهرمی و رضا حسینی ابرده	40 تحلیل تجربی و تئوری سیستم ترکیبی تولید توان الکتریکی و گرما با استفاده از نور خورشید (PVT)
اسفند 1390	محمد هادی سلیمیان و رضا حسینی ابرده	41 بررسی عددی و تجربی یک مدل دودکش خورشیدی
اسفند 1390	مهدی زارع جعفرآبادی و رضا حسینی ابرده	42 بررسی عددی انتقال حرارت دیسک چرخان زاویه دار نسبت به افق با جریان هوای افقی روی سطح دیسک
دی 1390	لیلا ریسیان و رضا حسینی ابرده	43 مطالعه ی تجربی اثر الیاف توخالی به عنوان عایق حرارتی
شهریور 1390	میثم حبیبی متین و رضا حسینی ابرده	44 حل عددی جریان جابجایی طبیعی در داخل محفظه مایل با دیواره موج دار با موج مثلثی
اسفند 1389	حامد دشتکی و رضا حسینی ابرده	45 کنترل پیل سوختی غشاء پلیمری در شرایط کارکرد بهینه
اسفند 1389	بهنود شینیان و رضا حسینی ابرده	46 حل عددی انتقال حرارت جابجائی در دو لوله تو در توی خارج از مرکز شیب دار

47	مدلسازی عددی انتقال حرارت در فرآیند جوشش در میکرولوله	نیما سام خانیانی و رضا حسینی اسفند 1389 ایرانه
48	حل عددی جریان لغزشی و انتقال حرارت در حال توسعه بین دو میکروکانال با مقطع دایروی هم مرکز	حمید بهرامی و رضا حسینی اسفند 1389 ایرانه
49	بررسی تجربی انتقال حرارت جابجایی در لوله های هم مرکز و خارج از مرکزعمودی با لوله داخلی گردان	مهدی علی پور و رضا حسینی شهریور 1389 ایرانه
50	بررسی تجربی و حل عددی انتقال حرارت از دیسک گردان	حسین عالشی جانانلو و رضا حسینی تیر 1389 ایرانه
51	بررسی آزمایشگاهی انتقال حرارت جابجایی طبیعی از میان لوله های هم مرکز و خارج از مرکز با شرط مرزی لوله خارجی عایق و لوله داخلی دما ثابت	محمد باقریه بهبهانی و رضا حسینی تیر 1389 ایرانه
52	بررسی ساز و کارهای زمان بندی متغیر دریچه های هوا و دود در موتورهای احتراق داخلی و نمونه سازی یکی از ساز و کارها	نازنین نجفیان و رضا حسینی آبان 1388 ایرانه
53	حل معادله انتقال حرارت تشعشعی در یک هندسه سه بعدی با در نظر گرفتن (مدل سازی) رفتار طیفی محیط واسط	آرش ابجدپور و رضا حسینی آذر 1387 ایرانه
54	مدلسازی عددی سه بعدی جریان از بین صفحات موازی موج دار با راستاهای متقاطع در خنک کن های تبخیری	احسان توکلی و رضا حسینی شهریور 1387 ایرانه
55	بررسی لوله های گرمایی و پدیده جوشش نوسانی در یک ترموسیفون دو فازی بسته	ایمان خزایی و رضا حسینی شهریور 1387 ایرانه
56	مدلسازی انتقال حرارت در یک میکروژنراتور هواخنک (زیر 100kw)	بهزاد بلوچ و رضا حسینی اسفند 1383 ایرانه
57	تعیین پارامترهای موثر بر خنک کنننگی ترانسفورماتورهای قدرت براساس مدلسازی حرارتی ترانسفورماتور	مصطفی نورالهی و رضا حسینی اسفند 1383 ایرانه

کتاب

#	عنوان	نگارندگان/مترجمان	کشور ناشر	تاریخ انتشار	نسخه
	داده های ثبت شده در پورتال				
1	خلاقیت در طراحی مهندسی	رضا حسینی ابرده، حسام طاهریان	ایران	خرداد 1387	1
2	تبدیل مستقیم انرژی	رضا حسینی ابرده، نازنین نجفیان، مهدی وهابی	ایران	اردیبهشت 1394	1
3	مبانی ترمودینامیک کلاسیک	محمدتقی ابتکار، رضا حسینی ابرده، مظاهر ضیایی	ایران	فروردین 1373	1

مقالات ژورنال

داده های ثبت شده در پورتال

- 1 Amir Arefian, Reza Hosseini Abardeh, "Ambient crosswind effect on the first integrated pilot of a floating solar chimney power plant: experimental and numerical approach", *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Vol. 0, Num. 0, Page 1-19, February 2021,
- 2 Mohsen Rahimi Larki, Reza Hosseini Abardeh, Hassan Rahimzadeh, Hamid Sarlak, "Performance analysis of a laboratory-scale tilted solar chimney system exposed to ambient crosswind", *RENEWABLE ENERGY*, Vol. 164, Num. 0, Page 1156-1170, November 2020,
- 3 Amir Arefian, Reza Hosseini Abardeh, "Design and Implementation of a Hybrid Fuzzy Logic Controller with Thermal Energy Storage System for Reference Power Tracking in a Large-Scale Solar Chimney Power Plant", *Journal of Solar Energy Research*, Vol. 5, Num. 2, Page 400-416, May 2020,

- 4 Mohammad Hassan Bitaab, Reza Hosseini Abardeh, Saeed Movahed, "Experimental and numerical study of energy loss through double-glazed windows", *HEAT AND MASS TRANSFER*, Vol. 0, Num. 0, Page 1-21, September 2019,
- 5 Sajjad Mohammadnejad Daryani, Ehsan Amani, Reza Hosseini Abardeh, Iman Chitsaz, Ali Kamalie Iglie, "Effects of the swirl ratio and spray angle on the mixture stratification in a diesel-NG RCCI engine", *JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING*, Vol. 41, Num. 5, Page 1-17, April 2019,
- 6 Masoud Ramezanpour Targhi, Reza Hosseini Abardeh, "An Experimental Study of Natural Convection in Vertical Annulus with Helical Fin", *EXPERIMENTAL HEAT TRANSFER*, Vol. 0, Num. 0, Page 1-19, April 2019,
- 7 Hossein Karami Lakeh, Hassan Kaatuzian, Reza Hosseini Abardeh, "A parametrical study on photo-electro-thermal performance of an integrated thermoelectric-photovoltaic cell", *RENEWABLE ENERGY*, Vol. 138, Num. 0, Page 542-550, January 2019,
- 8 Amir Arefian, Navid Zehtabiyani Rezaie, Reza Hosseini Abardeh, "Numerical Investigation of a Pulse-Jet Filter Cleaning System Performance", , Vol. 50, Num. 6, Page 181-190, April 2018,
- 9 Ehsan Farajzadeh Devin, Saeed Movahed, Reza Hosseini Abardeh, "Experimental and numerical investigations on the effect of Al₂O₃/TiO₂-H₂O nanofluids on thermal efficiency of the flat plate solar collector", *RENEWABLE ENERGY*, Vol. 118, Num. 0, Page 122-130, November 2017,
- 10 , Nader Nekoubin, Reza Hosseini Abardeh, "Flow and Heat Transfer Inside Eccentric Curved Annulus with Arbitrary Radius of Curvature and Inner Tube Position", *HEAT TRANSFER ENGINEERING*, Vol. 39, Num. 5, Page 449-459, June 2017,
- 11 Yahya Sheikhnejad, Mir Mehrdad Hosseini, Antonia Teixeira, Ali Shahpari, Reza Hosseini Abardeh, Majid Saffar-Avval, "Experimental Investigation and Three-Dimensional Analysis of Ferrocovection Through Horizontal Tube Under Magnetic Field of Fixed Parallel Magnet Bars", *JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME*, Vol. 139, Num. 0, Page 101703-101703, June 2017,
- 12 Masoumeh Mahboubi, Saeed Movahed, Reza Hosseini Abardeh, Vahid Hoshyargar, "Theoretical Study of Molecular Transport Through a Permeabilized Cell Membrane in a Microchannel", *JOURNAL OF MEMBRANE BIOLOGY*, Vol. 0, Num. 0, Page 0-0, April 2017,
- 13 Mohammad Tohidi Sardasht, Reza Hosseini Abardeh, Ehsan Amani, "An analysis of turbulence models for prediction of forced convection of air stream impingement on rotating disks at different angles", *INTERNATIONAL JOURNAL OF THERMAL SCIENCES*, Vol. 118, Num. 0, Page 139-151, April 2017,
- 14 Mehdi Zare Jafarabadi, Reza Hosseini Abardeh, "Large eddy simulation of turbulent heat transfer from a rotating disk subjected to a forced parallel air stream", *INTERNATIONAL JOURNAL OF THERMAL SCIENCES*, Vol. 118, Num. 0, Page 187-197, April 2017,
- 15 Hossein Karami Lakeh, Reza Hosseini Abardeh, Hassan Kaatuzian, "Numerical and Experimental Investigation on a Thermo-Photovoltaic Module for Higher Efficiency Energy Generation", *INTERNATIONAL JOURNAL OF THERMOPHYSICS*, Vol. 38, Num. 78, Page 1-18, March 2017,
- 16 , Saeed Dinarvand, Reza Hosseini Abardeh, Hosseini Rahimi, Ion Pop, "Steady laminar mixed convection stagnation-point flow of a nanofluid over a vertical permeable surface in the presence of a magnetic field", *JOURNAL OF APPLIED MECHANICS AND TECHNICAL PHYSICS*, Vol. 57, Num. 6, Page 1031-1041, December 2016,
- 17 Ayatallah Gharehghani, S. Mostafa Agha Mirsalim, Reza Hosseini Abardeh, "Effects of waste fish oil biodiesel on diesel engine combustion characteristics and emission", *RENEWABLE ENERGY*, Vol. 101, Num. 0, Page 930-936, October 2016,
- 18 Yahya Sheikhnejad, Reza Hosseini Abardeh, Majid Saffar-Avval, "Experimental study on heat transfer enhancement of laminar ferrofluid flow in horizontal tube partially filled porous media under fixed parallel bars", *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, Vol. 424, Num. 0, Page 16-25, October 2016,
- 19 Mohsen Rahimi Larki, Amir Arefian, Reza Hosseini Abardeh, "Experimental and Numerical Analysis of Ambient Crosswind Effects on a Floating Solar Chimney Power Plant Performance", *Journal of Solar Energy Research*, Vol. 12, Num. 0, Page 40-46, September 2016,
- 20 Maryam Talebi, Milad Setareh, Majid Saffar-Avval, Reza Hosseini Abardeh, "Numerical investigation of natural convection heat transfer in a cylindrical enclosure due to ultrasonic vibrations", *ULTRASONICS*, Vol. 76, Num. 0, Page 52-62, September 2016,

- 21 Mehdi Zare Jafarabadi, Hadi Ramin, Sanaz Naemi, Reza Hosseini Abardeh, "Exact Optimum Design of Segmented Thermoelectric Generators", *International Journal of Chemical Engineering*, Vol. 0, Num. 0, Page 1-11, March 2016,
- 22 Saeed Dinarvand, Reza Hosseini Abardeh, Ioan Pop, "Homotopy analysis method for unsteady mixed convective stagnation point flow of a nanofluid using Tiwari-Das nanofluid model", *INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW*, Vol. 26, Num. 1, Page 40-62, January 2016,
- 23 , Reza Hosseini Abardeh, Hamid Naderan Tahan, "Numerical Study on Flow and Thermal Fields of Mixed Convection in a Concentric Inclined Annulus", *HEAT TRANSFER ENGINEERING*, Vol. 37, Num. 8, Page 751-762, December 2015,
- 24 Mohamadbrahim Fathi Azarkhavarani, Reza Hosseini Abardeh, Mohammad Rahmani, "Calculations of non-gray gas radiative heat transfer by coupling the discrete ordinates method with the Leckner model in 3D rectangular enclosures", *HEAT AND MASS TRANSFER*, Vol. 0, Num. 0, Page 1-9, December 2015,
- 25 Saeid Dinarvand, Reza Hosseini Abardeh, , Ebrahim Damangir, Ioan Pop, "Unsteady three -dimensional stagnation point flow and heat transfer of a nanofluid with the effect of thermophoresis and Brownian motion effects", *JOURNAL OF APPLIED MECHANICS AND TECHNICAL PHYSICS*, Vol. 56, Num. 4, Page 601-611, November 2015,
- 26 Meisam Habibi Matin, Reza Hosseini Abardeh, Hamid Naderan Tahan, "Natural convection heat transfer inside an inclined solar collector with a V-corrugated absorber", *HEAT TRANSFER RESEARCH*, Vol. 46, Num. 9, Page 839-859, September 2015,
- 27 Saeed Dinarvand, Abbas Abbassi, Reza Hosseini Abardeh, Ioan Pop, "HOMOTOPY ANALYSIS METHOD FOR MIXED CONVECTIVE BOUNDARY LAYER FLOW OF A NANOFLUID OVER A VERTICAL CIRCULAR CYLINDER", *THERMAL SCIENCE*, Vol. 19, Num. 2, Page 549-561, August 2015,
- 28 Ayatallah Gharehghani, Reza Hosseini Abardeh, S. Mostafa Agha Mirsalim, Talal F. Yusaf, "A comparative study on the first and second law analysis and performance characteristics of a spark ignition engine using either natural gas or gasoline", *FUEL*, Vol. 158, Num. 0, Page 488-493, June 2015,
- 29 Ayatallah Gharehghani, Reza Hosseini Abardeh, S. Mostafa Agha Mirsalim, S. Ali Jazayeri, Talal F Yusaf, "An experimental study on reactivity controlled compression ignition engine fueled with biodiesel/natural gas", *ENERGY*, Vol. 89, Num. 0, Page 558-567, June 2015,
- 30 Saeed Dinarvand, Reza Hosseini Abardeh, Ioan Pop, "Unsteady convective heat and mass transfer of a nanofluid in Howarth's stagnation point by Buongiorno's model", *INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW*, Vol. 25, Num. 5, Page 1176-1197, June 2015,
- 31 Ehsan Tavakoli, Bamdad Lessani, Reza Hosseini Abardeh, "High-order pole-treatment in cylindrical coordinates for incompressible flow simulations with finite-difference collocated schemes", *JOURNAL OF COMPUTATIONAL PHYSICS*, Vol. 296, Num. 0, Page 1-24, May 2015,
- 32 Yahya Sheikhnejad, Reza Hosseini Abardeh, Majid Saffar-Avval, "Laminar Forced Convection of Ferrofluid in a Horizontal Tube Partially Filled with Porous Media in Presence of a Magnetic Field", *JOURNAL OF POROUS MEDIA*, Vol. 18, Num. 4, Page 1-12, May 2015,
- 33 Hossein Karami Lakeh, Reza Hosseini Abardeh, Hassan Kaatuzian, "Numerical Simulation of a Segmented Thermoelectric Generator", *Energy and Power*, Vol. 5, Num. 1, Page 1-9, April 2015,
- 34 Yahya Sheikhnejad, Reza Hosseini Abardeh, Majid Saffar-Avval, "Effect of different magnetic field distributions on lamina ferro-convection heat transfer in horizontal tube", *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, Vol. 389, Num. 0, Page 136-143, April 2015,
- 35 Ayatallah Gharehghani, Reza Hosseini Abardeh, S. Mostafa Agha Mirsalim, Talal F Yusaf, "A computational study of operating range extension in a natural gas SI engine with the use of hydrogen", *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, Vol. 40, Num. 17, Page 5966-5975, March 2015,
- 36 Milad Mohsenzadeh, Reza Hosseini Abardeh, "A photovoltaic/thermal system with a combination of a booster diffuse reflector and vacuum tube for generation of electricity and hot water production", *RENEWABLE ENERGY*, Vol. 78, Num. 0, Page 245-252, January 2015,
- 37 Hadi Heidary, Reza Hosseini Abardeh, Yaghoob Heidari, "Free convection and entropy generation in inclined porous cavity under magnetic field", *INTERNATIONAL JOURNAL OF EXERGY*, Vol. 15, Num. 1, Page 46-61, September 2014,

- 38 Meisam Habibi, Reza Hosseini Abardeh, "Solar radiation assisted mixed convection MHD flow of nanofluids over an inclined transparent plate embedded in a porous medium", *JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY*, Vol. 28, Num. 9, Page 3885-3893, September 2014,
- 39 Hadi Heidary, Reza Hosseini Abardeh, M.Pirmohammadi, Mohammad Jafar Kermani, "Numerical study of magnetic field effect on nano-fluid forced convection in a channel", *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, Vol. 374, Num. 0, Page 11-17, September 2014,
- 40 Hadi Ebrahimi, Akbar Zamanyan, Reza Hosseini Abardeh, Khaled Forsat, "Analysis of reformer furnace tubes for hydrogen production using radiative zonal model", *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, Vol. 39, Num. 0, Page 13164-13173, July 2014,
- 41 Saeed Dinarvand, Sadegh Khalili, Reza Hosseini Abardeh, Ebrahim Damangir, Iman Roohi Dehkordi, Ioan Pop, "MHD flow and heat transfer over a nonlinearly stretching sheet in porous medium filled with a nanofluid", *Special Topics& Reviews in Porous Media - An International Journal*, Vol. 5, Num. 1, Page 13-25, March 2014,
- 42 Sadegh Khalili, Saeed Dinarvand, Reza Hosseini Abardeh, Iman Roohi Dehkordi,, "Stagnation-point Flow and Heat Transfer of a Nanofluid Adjacent to Linearly Stretching/Shrinking Sheet:A Numerical Study", *International Journal of Applied Sciences,Engineering and Technology*, Vol. 7, Num. 1, Page 83-90, January 2014,
- 43 , Saeed Dinarvand, Reza Hosseini Abardeh, Ioan Pop, "MHD mixed convection stagnation-point flow of a nanofluid over a vertical permeable surface: a comprehensive report of dual solutions", *HEAT AND MASS TRANSFER*, Vol. 0, Num. 0, Page 0-0, December 2013,
- 44 Ayatallah Gharehghani, Reza Hosseini Abardeh, Talal Yusaf, "Investigation of the effect of additives to natural gas on heavy-duty SI engine combustion characteristics", *Journal of Mechanical Engineering and Sciences(JMES)*, Vol. 5, Num. 0, Page 677-687, December 2013,
- 45 Amir Arefian, Abbas Abbassi, Reza Hosseini Abardeh, "Exergy analysis and optimization of collector dimensions in a solar chimney power plant using entropy generation minimization method", *INTERNATIONAL JOURNAL OF EXERGY*, Vol. 15, Num. 3, Page 328-343, November 2013,
- 46 , Zohreh Mansoori, Reza Hosseini Abardeh, Roohollah Bagherzadeh, "An Investigation in Structural Parameters of Needle-Punched Non woven Fabrics on Their Thermal Insulation Property", *FIBERS AND POLYMERS*, Vol. 14, Num. 10, Page 1748-1753, November 2013,
- 47 Reza Hosseini Abardeh, Masoud Ramezanzadeh, Ahmad Doosthoseini, Ehsan Rezaei, "New Method for Solving Coupled Schrodinger KdV Equation", *Applied Mathematical Sciences*, Vol. 7, Num. 86, Page 4273-4280, November 2013,
- 48 Hossein Tamim, Saeed Dinarvand, Reza Hosseini Abardeh, Sadegh Khalili, Ioan Pop, "Unsteady mixed convection flow of a nanofluid near orthogonal stagnation-point on a vertical permeable surface", *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING*, Vol. 0, Num. 0, Page 0-0, October 2013,
- 49 Sadegh Khalili, Saeed Dinarvand, Reza Hosseini Abardeh, Majid Saber, Ioan Pop, "Magnetohydrodynamic stagnation point flow toward stretching/shrinking permeable plate in porous media filled with a nanofluid", *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING*, Vol. 0, Num. 0, Page 0-0, October 2013,
- 50 Ehsan Tavakoli, Reza Hosseini Abardeh, Miltiadis Papalexandris, Bamdad Lessani, "Statistical analysis of instantaneous turbulent heat transfer in circular pipe flows", *HEAT AND MASS TRANSFER*, Vol. 0, Num. 0, Page 0-0, September 2013,
- 51 Meysam Habibi Matin, Reza Hosseini Abardeh, Mohsen Simyari, Pouyan Jahangiri, "Entropy generation minimization of nanofluid flow in a MHD channel considering thermal radiation effect", *MECHANIKA*, Vol. 19, Num. 4, Page 445-450, August 2013,
- 52 Mehdi Zare Jafarabadi, Hadi Ramin, Reza Hosseini Abardeh, "Optimization of Segmented Thermoelectric Generator and Calculation of Performance", , Vol. 45, Num. 1, Page 83-91, August 2013,
- 53 Mahdi Alipour, Reza Hosseini Abardeh, Ali Rezaia, "Radius ratio effects on natural heat transfer in concentric annulus", *EXPERIMENTAL THERMAL AND FLUID SCIENCE*, Vol. 0, Num. 0, Page 0-0, April 2013,
- 54 Amir Gholaminejad, Reza Hosseini Abardeh, "A Study of Water Supercooling", *Journal of Electronics Cooling and Thermal Control*, Vol. 3, Num. 1, Page 1-6, March 2013,

- 55 , Reza Hosseini Abardeh, Hamid Naderan Tahan, "The effect of geometric parameters on mixed convection in an inclined eccentric annulus", *INTERNATIONAL JOURNAL OF THERMAL SCIENCES*, Vol. 68, Num. 0, Page 136-147, February 2013,
- 56 Saeed Dinarvand, Reza Hosseini Abardeh, Ebrahim Damangir, Ion Pop, "Series solutions for steady three-dimensional stagnation point flow of a nanofluid past a circular cylinder with sinusoidal radius variation", *MECCANICA*, Vol. 48, Num. 3, Page 643-652, February 2013,
- 57 Saeed Dinarvand, Reza Hosseini Abardeh, "Optimal homotopy asymptotic method for convective-radiative cooling of a lumped system , and convective straight fin with temperature -dependent thermal conductivity", *Afrika Matematika*, Vol. 24, Num. 0, Page 103-116, January 2013,
- 58 Ehsan Tavakoli, Reza Hosseini Abardeh, "Large eddy simulation of turbulent flow and mass transfer in far-field of swirl diffuse", *ENERGY AND BUILDINGS*, Vol. 59, Num. 0, Page 194-202, January 2013,
- 59 Mohammadreza Hajmohammadi, Sadegh Poozesh, Reza Hosseini Abardeh, "Radiation Effect on Constructal Design Analysis of a T-Y-Shaped Assembly of Fins", *JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY*, Vol. 7, Num. 4, Page 677-692, October 2012,
- 60 Reza Hosseini Abardeh, Maysam Saidi, "Experimental Study of Air Pressure Effects on Natural Convection From a Horizontal Cylinder", *HEAT TRANSFER ENGINEERING*, Vol. 33, Num. 10, Page 878-884, March 2012,
- 61 Reza Hosseini Abardeh, Sadegh Poozesh, Saeed Dinarvand, "MHD Flow of an Incompressible Viscous Fluid through Convergent or Divergent Channels in Presence of a High Magnetic Field", *JOURNAL OF APPLIED MATHEMATICS*, Vol. 2012, Num. 157067, Page 1-12, January 2012,
- 62 M.H.Sadafi, Reza Hosseini Abardeh, Hamed Safikhani, A.Bagheri, M.J.Mahmoodabadi, "MULTI-OBJECTIVE OPTIMIZATION OF SOLAR THERMAL ENERGY STORAGE USING HYBRID OF PARTICLE SWARM OPTIMIZATION, MULTIPLE CROSSOVER AND MUTATION OPERATOR", *International Journal of Engineering*, Vol. 24, Num. 3, Page 367-376, December 2011,
- 63 Asghar Yarahmadi, Mohammad Reza Heirani Nobari, Reza Hosseini Abardeh, "A Numerical Investigation of Laminar and Turbulent Premixed Flames in Porous Media", *COMBUSTION SCIENCE AND TECHNOLOGY*, Vol. 183, Num. 11, Page 1164-1183, October 2011,
- 64 Reza Hosseini Abardeh, Amir Gholami Nejad, Mahdi Nabil, "Concerning The Effect of Surface Material on Nucleate Boiling Heat Transfer of R-113", *Journal of Electronics Cooling and Thermal Control*, Vol. 1, Num. 2, Page 22-27, October 2011,
- 65 Reza Hosseini Abardeh, Pouyan Jahangiri Ardkapan, Davoud Bahmanpoor, "Economic evaluation use of thermal insulation and double glazing widows in a residential apartment", *Iranian Journal of Mechanical Engineering*, Vol. 13, Num. 1, Page 20-31, July 2011,
- 66 Reza Hosseini Abardeh, Ali Rezania, Mahdi Alipour, L.A.Rosendahl, "Natural convection heat transfer from a long heated vertical cylinder to an adjacent air gap of concentric and eccentric conditions", *HEAT AND MASS TRANSFER*, Vol. 48, Num. 1, Page 55-60, July 2011,
- 67 Reza Hosseini Abardeh, Amir Gholaminejad, Hamid Reza Jahandar, "Roughness Effects on Nucleate Pool Boiling of R-113 on Horizontal Circular Copper Surfaces", *World Academy of Science, Engineering and Technology*, Vol. 55, Num. 0, Page 679-684, June 2011,
- 68 Iman Khazaee, Reza Hosseini Abardeh, Alikianifar, Seyyed Hosseini Noie, "Experimental consideration and correlation of heat transfer of a two-phase closed thermosyphon due to the inclination angle, filling ration, and aspect ratio", *JOURNAL OF ENHANCED HEAT TRANSFER*, Vol. 18, Num. 1, Page 31-40, March 2011,
- 69 Mohammad Fakoor Pakdaman, Amir Lashkary, Hassan Basirat Tabrizi, Reza Hosseini Abardeh, "Performance evaluation of a natural-convection solar air-heater with a rectangular-finned absorber plate", *Energy Conversion and Management*, Vol. 52, Num. 2, Page 0-0, February 2011,
- 70 Ehsan Tavakoli, Reza Hosseini Abardeh, "Numerical analysis of 3D cross flow between corrugated parallel plates in evaporative coolers", *ENERGY CONVERSION AND MANAGEMENT*, Vol. 52, Num. 2, Page 0-0, January 2011,
- 71 Asghar Yarahmadi, Reza Hosseini Abardeh, Mohammad Reza Heirani Nobari, "Numerical Inspection of Turbulent/Laminar Nonreactive and Laminar Combustive Reactive Flows in Porous Media", *Journal of Porous Media*, Vol. 13, Num. 6, Page 0-0, August 2010,

- 72 Ehsan Tavakoli, Reza Hosseini Abardeh, "Pressure losses and flow patterns in 3D axial flow between corrugated plates", *Energy Conversion and Management*, Vol. 51, Num. 12, Page 0-0, May 2010,
- 73 Arezoo Khalili, Hassan Rahimzadeh, Reza Hosseini Abardeh, Iman Roohi Dehkordi, "Experimental Investigation of a Supermizer", *International Review of Mechanical Engineering*, Vol. 4, Num. 4, Page 452-459, May 2010,
- 74 Reza Hosseini Abardeh, "Measurements of Natural Convection and Surface Radiation from a Heated Vertical Plate Immersed in Quiescent Air at Sub-Atmospheric Pressures", *Experimental Heat Transfer*, Vol. 23, Num. 2, Page 0-0, April 2010,
- 75 Iman Khazaee, Reza Hosseini Abardeh,, "Experimental investigation of effective parameters and correlation of geyser boiling in a tow-phase closed thermosyphon", *Applied Thermal Engineering*, Vol. 30, Num. 5, Page 0-0, March 2010,
- 76 Reza Hosseini Abardeh, Hassan Safai, Arash Abjadpour, "Solution of Radiative Transfer Equation in Two-Dimensional Media with Real Gas through Zone Method and Box Model", *Amirkabir Journal Mechanical Engineering*, Vol. 41, Num. 2, Page 0-0, December 2009,
- 77 Reza Hosseini Abardeh, Mohammad Ramezani, [en-name N/A], "Experimental study of turbulent forced convection in vertical eccentric annulus", , Vol. , Num. 50, Page 0-0, September 2009,
- 78 Alireza Doodeman, Mohammad Fesanghary, Reza Hosseini Abardeh, "A robust stochastic approach for design optimization of air cooled heat exchangers", , Vol. , Num. 86, Page 0-0, August 2009,
- 79 Reza Hosseini Abardeh, [en-name N/A], "Experimental Investigation and Theoretical Modeling of Ice-Melting Processes", , Vol. , Num. 22, Page 0-0, July 2009,
- 80 Mokhtar Bidi, Reza Hosseini Abardeh, Mohammad Reza Heirani Nobari, "Numerical analysis of methane-air combustion considering radiation effect", , Vol. , Num. 49, Page 0-0, December 2008,
- 81 Reza Hosseini Abardeh, Hessam Taherian, [en-name N/A], "Experimental Determination of Total Hemispherical Emittance by Use of Data at Atmospheric and Near Atmospheric Pressure", , Vol. , Num. 1, Page 0-0, September 2008,
- 82 Reza Hosseini Abardeh, Mostafa Noorollahi, Gevork B. Gharehpetian, "Determination of OD cooling system parameters based on thermal modeling of power transformer winding", , Vol. , Num. 16, Page 0-0, July 2008,
- 83 Reza Hosseini Abardeh, Ebrahim Boshkani, Mohammadreza Soltani, "Performance Improvement of Gas Turbines of Fars (Iran) Combined Cycle Power Plant by Intake air Cooling Using a Media Evaporative Cooler", , Vol. , Num. 48, Page 0-0, April 2007,
- 84 Reza Hosseini Abardeh, Ahmad Hosseini Ghafar, [en-name N/A], "Experimental Determination of Shell Side Heat Transfer Coefficient and Pressure Drop For an Oil Cooler Shell-and -Tube Heat Exchanger With Three Different Tube Bundles", , Vol. , Num. 27, Page 0-0, April 2007,
- 85 Reza Hosseini Abardeh, "Thermal Radiation Properties of Thin Molybdenum Oxide Films", , Vol. , Num. 2, Page 0-0, March 2007,
- 86 Ahmad Beshkani, Reza Hosseini Abardeh, "Numerical Modeling of Rigid Media Evaporative Cooler", , Vol. , Num. 26, Page 0-0, January 2006,
- 87 Reza Hosseini Abardeh, [en-name N/A], [en-name N/A], "Technical and Economic Assessment of the Integrated Solar Combined Cycle Power Plants in Iran", , Vol. , Num. 30, Page 0-0, September 2005,
- 88 Reza Hosseini Abardeh, [en-name N/A], [en-name N/A], "Technical and economic assessment of the integrated solar combined cycle power plants in Iran", , Vol. , Num. 30, Page 0-0, August 2005,
- 89 Reza Hosseini Abardeh, Mohammad Reza Heirani Nobari, Mahmood Hatam, "An experimental study of heat transfer in an open _ ended vertical eccentric annulus with insulated and constant heat flux boundaries", , Vol. , Num. 25, Page 0-0, June 2005,
- 90 Reza Hosseini Abardeh, Hessam Taherian, "Natural convection heat transfer from a vertical plate to air at very low pressure", , Vol. , Num. , Page 0-0, February 2004,
- 91 Hessam Taherian, Reza Hosseini Abardeh, "Electroplating technique as a method for manufacturing copper-constantan thermocouples", , Vol. 0, Num. 57, Page 0-0, December 2003,






داده های ثبت شده در پورتال

















- 1 Firooz Bakhtiari Nejad, Nahid Sheikhan, Shohreh Didehban, Reza Hosseini Abardeh, "Types of Engineering doc and the necessity of training them ", The 6th Iran International Conference on Engineering Education, November 2019
- 2 Masoud Emamian Verdi, Jafar Milimonfared, Aref Eskandari, Mohammadreza Aghaei, Reza Hosseini Abardeh, A.K. Vidal De Oliveira, "Solar Power Forecasting with LSTM Network Ensemble ", 36th European Photovoltaic Solar Energy Conference and Exhibition, September 2019
- 3 Hossein Kamalinia, Mohsen Rahimi Larki, Mohammad Hossein Jamarani, Reza Hosseini Abardeh, "A Geometrical study to investigate the optical performance of light pipe system ", The 26th International Annual Conference of the Iranian Society of Mechanical Engineers (ISME 2018), April 2018
- 4 Maedeh Dehghani Mohammadabadi, Mohsen Rahimi Larki, Amir Karimi Noughabi, Reza Hosseini Abardeh, "Numerical study on effect of number of injection nozzles on fog injection gas turbine inlet air cooling system ", The 6th National Gas Turbine Conference, February 2018
- 5 Sajjad Mohammadnejad Daryani, Ehsan Amani, Reza Hosseini Abardeh, S.Mostafa Agha Mirsalim, Iman Chitsaz, Ali Kamalie Iglie, "Simulation of the dual-fuel diesel-CNG RCCI engine ", 25th Annual International Mechanical Engineering Conference, May 2017
- 6 Hasan Abbasinejad, Reza Hosseini Abardeh, "Numerical investigation of the subcooled forced boiling heat transfer for various nano-fluids in small channels ", Research in Science and Technology, December 2016
- 7 Mohsen Rahimi Larki, Amir Arefian, Reza Hosseini Abardeh, "Experimental and Numerical Analysis of Ambient Crosswind Effects on a Floating Solar Chimney Power Plant Performance ", The 3rd international conference and exhibition on solar energy, September 2016
- 8 Ayatallah Gharehghani, S.Mostafa Agha Mirsalim, Ali Jazayeri, Reza Hosseini Abardeh, "Experimental study on low temperature combustion dual fuel biodiesel/natural gas engine ", ASME 2015 Internal Combustion Engine Division Fall Technical Conference, November 2015
- 9 Hasan Abbasinejad, Reza Hosseini Abardeh, "Numerical Modeling of Forced Boiling Heat Transfer in Milly Channels ", 23rd Annual International Iranian Mechanical Engineering Conference, May 2015
- 10 Hossein Karami Lakeh, Reza Hosseini Abardeh, Hassan Kaatuzian, "Thermoelectric Effects on Solar Cell Performances ", 23rd annual international mechanical engineering conference-ISME-2015, May 2015
- 11 Saeed Dinarvand, Reza Hosseini Abardeh, Abed Moradi, "The influence of orthogonal magnetic field, thermal radiation and medium porosity on stagnation-point flow and heat transfer of a nanofluid toward a stretching sheet ", 2nd International Conference on Nanotechnology-ICN2014-, July 2014
- 12 Milad Mohsenzadeh, Reza Hosseini Abardeh, "Experimental Evaluation of a system Combining Solar Cells Equipped by Flat Reflectors with Vacuum Tube Solar Water Heater ", 1st International Conference and Exhibition on Solar Energy, May 2014
- 13 Amir Hossein Zare, Reza Hosseini Abardeh, "A Parametric Study on MHD Generator Performance ", The 22nd Annual International Conference on Mechanical Engineering, April 2014
- 14 Sadegh Khalili, Reza Hosseini Abardeh, "MHD Flow and Heat Transfer over a Nonlinearly Stretching Sheet in Porous Medium Filled with a Nanofluid ", 15th Nanotechnology Iranian Student Conference, April 2014
- 15 Ayatallah Gharehghani, S.Mostafa Agha Mirsalim, Reza Hosseini Abardeh, S.A. Jazayeri, "Reactivity controlled compression ignition(RCCI) combustion strategy:a solution to reduce fuel consumption and emission level ", 8th International Conference on Internal Combustion Engines and Oil, February 2014
- 16 Soroor Karimi, Hassan Basirat Tabrizi, Reza Hosseini Abardeh, "Study of phase change modeling for a rectangular PCM container exposed to constant heat flux ", World Congress on Engineering 2013 -WCE2013, July 2013



- 17 Hamid Bahrami, Reza Hosseini Abardeh, Seyyed Hadi Bani Hashemi, "Numerical solution of forced convection heat transfer inside curved micro channel with non uniform heat flux ", 21th Annual International Iranian Mechanical Engineering Conference, May 2013
- 18 , Reza Hosseini Abardeh, "Optimization of micro channel heat sinks using constructal theory ", 21th Annual International Iranian Mechanical Engineering Conference, May 2013
- 19 Amir Arefian, Hosseini Abbasi, , Reza Hosseini Abardeh, "Evaluation of Velocity Relation in a Solar Chimney by Experimental Model ", International Conference on Mechanical Engineering and Advanced Technology, October 2012
- 20 Maysam Saidi, Reza Hosseini Abardeh, "Experimental Correlation for Free Convection Coefficient of Horizontal Cylinder in Different Air Pressures ", International Conference on Mechanical Engineering and Advanced Technology, October 2012
- 21 Amir Arefian, Hosseini Abbasi, Reza Hosseini Abardeh, "Evaluation of hydrogen production using solar chimney technology ", 2nd Annual Conference on Clean Energy, July 2012
- 22 Ayatallah Gharehghani, S. Mostafa Agha Mirsalim, Reza Hosseini Abardeh, K. Zaker, "Investigation of the effect of additives to natural-gas on heavy-duty SI engine combustion characteristics ", ASME 2012 Internal Combustion Engine Division Spring Technical Conference ICES2012, May 2012
- 23 Mehdi Zare Jafarabadi, Reza Hosseini Abardeh, "Numerical solution of heat transfer from a rotating disk with air parallel flow ", 20th Annual International Iranian Mechanical Engineering Conference - ISME2012, May 2012
- 24 Hamed Nasrfarde Jahromi, Reza Hosseini Abardeh, "Improving Conventional Solar Cell Efficiency By Active Cooling In Geographical Condition of Tehran ", 20th Annual International Iranian Mechanical Engineering Conference - ISME2012, May 2012
- 25 Ayatallah Gharehghani, S. Mostafa Agha Mirsalim, Reza Hosseini Abardeh, S. A. Jazayeri, "Developing a New CFD Model to Simulate the Combustion of Dual Fuel Engine ", ICICE-7, November 2011
- 26 Reza Hosseini Abardeh, , Hossein Khorasanizadeh, "An experimental study of combining a photovoltaic system with a heating system ", World Renewable Energy Congress 2011, May 2011
- 27 Reza Hosseini Abardeh, Mahdi Alipour, Amir Gholaminejad, "Natural convection heat transfer of concentric/eccentric annulus subjected to inner tube of constant heat flux ", ASME/JSME 2011 8th Thermal Engineering joint Conference AJTEC2011, March 2011
- 28 Maysam Saidi, Mohammad Hassan Saidi, Reza Hosseini Abardeh, "Experimental investigation of air pressure on rate of entropy changes ", The First Iranian Thermal Science Conference(ITSC2011), February 2011
- 29 Ayatallah Gharehghani, Reza Hosseini Abardeh, M.M. Salahi, "EXPERIMENTAL INVESTIGATION OF NATURAL CONVECTIVE HEAT TRANSFER FROM HORIZONTAL, INCLINED AND VERTICAL CYLINDER WITH CONSTANT HEAT FLUX ", ASME 2010 International Mechanical Engineering Congress & Exposition IMECE2010, November 2010
- 30 Hamed Dashtaki, Reza Hosseini Abardeh, Mohammad Bagher Menhaj, Mohammad Jafar Kermani, "A Non-minimal Adaptive Observer and MRAC Control Design for PEM Fuel Cell ", 4th Iranian Fuel Cell Seminar, 24&25 Nov, 2010, Rajaei Teacher Training University, Tehran, Iran, November 2010
- 31 Reza Hosseini Abardeh, Amir Gholaminejad, "A Study of Water Supercooling ", Ninth Asian Thermophysical Properties Conference, October 2010
- 32 Ehsan Tavakoli, Reza Hosseini Abardeh, "Thermally developing 3D cross flow between cross corrugated parallel plates in evaporative coolers ", 10th Biennial Conference on Engineering Systems Design and Analysis ESDA2010 ASME 2010, July 2010
- 33 Maysam Saidi, Reza Hosseini Abardeh, "Air Pressure Dependence of Natural-Convection Heat Transfer ", The World Congress on Engineering 2010 - WCE2010, June 2010
- 34 Hamed Dashtaki, Davood Ghadiri Moghaddam, Mohammad Jafar Kermani, Reza Hosseini Abardeh, Mohammad Bagher Menhaj, "DESIGN AND SIMULATION OF THE DYNAMIC BEHAVIOR OF A H-INFINITY PEM FUEL CELL PRESSURE CONTROL ", ASME 2010 Eight International Fuel Cell Science, Engineering and Technology Conference FuelCell2010 June 14-16, 2010, Brooklyn, New York, USA, June 2010

- 35 Hamed Dashtaki, Davood Ghadiri Moghaddam, Mohammad Jafar Kermani, Reza Hosseini Abardeh, Mohammad Bagher Menhaj, "Multi-variable Robust Control of Proton Exchange Membrane Fuel Cell Pressure Using Nonlinear Model ", 18th Annual International Conference on Mechanical Engineering-ISME2010, 11-13 May, 2010, Sharif University of Technology, Tehran, Iran, May 2010
- 36 Reza Hosseini Abardeh, Amir Gholaminejad, Mahdi Nabil, Mohammad Hossein Samadinia, "Concerning the effect of surface material on nucleate boiling heat transfer of R-113 ", ASME/JSME 2011 8th Thermal Engineering joint Conference AJTEC2011, April 2010
- 37 Reza Hosseini Abardeh, Amir Gholaminejad, Mahdi Alipour, "Effect of inner pipe rotation on natural convection heat transfer of concentric pipes ", ASME/JSME 2011 8th Thermal Engineering joint Conference AJTEC2011, April 2010
- 38 Ehsan Tavakoli, Reza Hosseini Abardeh, "Numerical Analysis of the 3D cross flow between corrugated parallel plates in media evaporative coolers ", , May 2009
- 39 Hassan Rahimzadeh, Reza Hosseini Abardeh, Mojtaba Dyanati Badabi, "Water Extraction from Air Conditioning Devices in Humid Air Near Shore Area ", 2nd International Conference on Water, Eco-systems and Sustainable Development in Arid Semi-arid Zone, May 2009
- 40 Ehsan Tavakoli, Reza Hosseini Abardeh, "Numerical analysis of the 3D cross flow between corrugated parallel plates ", , April 2009
- 41 Arezoo Khalili, Hassan Rahimzadeh, Reza Hosseini Abardeh, "Energy Consumption Optimization and Pollutant Reduction by Means of Supermizer ", 1st Conference on Rotating Equipment in Oil & Power Industries, October 2008
- 42 Siamak Ghadami Badrloo, Alireza Mahdieh Najafabadi, Bijan Mollaei Dariani, Seyed.Ali Sadough Vanini, Reza Hosseini Abardeh, "Investigation of ultrasonic assisted Upsetting process by FEM method ", , December 2006
- 43 Abbas Abbassi, Reza Hosseini Abardeh, Mohammadreza Shahnazari, "Analysis of mass transfer of evaporation of a droplet with rotation ", 4th Int. ISME conference, March 2000
- 44 Reza Hosseini Abardeh, [en-name N/A], "The infrared spectroscopy of MoO₃, P 205 ", , March 1986
- 45 [en-name N/A], Reza Hosseini Abardeh, [en-name N/A], "The infrared spectroscopy of MoO₃, p205 ", , March 1986
- 46 B.E. Smith, Reza Hosseini Abardeh, J.K. Critchely, "Are molybdenum coatings potential solar material ", , July 1981
- 47 Reza Hosseini Abardeh, B.E. Smith, J.K. Critchely, "Are molybdenum coatings potential solar material ", , July 1981

دروس ارائه شده

#	عنوان درس	توصیف درس	دوره درسی	سرفصل ها
1	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2	Fall 2021	
2	Thermodyn & Heat Trans. Lab.	Experimental consideration of basic principles of thermodynamic and heat transfer courses	Fall 2021	
3	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2	Fall 2021	
4	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2	Fall 2021	
5	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2	Fall 2021	

6	Heat Transfer (II)	Knowing the working principles and applications of six mechanisms of heat transfr. .Applications of experimental and theoretical correlations in design of heat exchanging equipments . Introducing some related projects in mechanical engineering depart		Fall 2021
7	Thermodyn & Heat Trans. Lab.	Experimental consideration of basic principles of thermodynamic and heat transfer courses		Fall 2021
8	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2		Spring 2021
9	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2		Spring 2021
10	Heat Transfer (II)	Knowing the working principles and applications of six mechanisms of heat transfr. .Applications of experimental and theoretical correlations in design of heat exchanging equipments . Introducing some related projects in mechanical engineering depart		Spring 2021
11	Renewable Energies & Applications	introduction to Renewable Energies, basic principles and applications		Spring 2021
12	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2		Spring 2021
13	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2		Spring 2021
14	Heat Transfer (II)	Knowing the working principles and applications of six mechanisms of heat transfr. .Applications of experimental and theoretical correlations in design of heat exchanging equipments . Introducing some related projects in mechanical engineering depart		Fall 2020
15	Thermodyn & Heat Trans. Lab.	Experimental consideration of basic principles of thermodynamic and heat transfer courses		Fall 2020
16	Thermodyn & Heat Trans. Lab.	Experimental consideration of basic principles of thermodynamic and heat transfer courses		Fall 2020
17	Thermodyn & Heat Trans. Lab.	Experimental consideration of basic principles of thermodynamic and heat transfer courses		Fall 2020
18	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2		Fall 2020
19	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2		Fall 2020
20	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2		Fall 2020
21	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2		Fall 2020

22	Thermodynamics Lab.	Experimental consideration of major points in thermodynamic 1 and 2		Fall 2020
23	Advanced Heat Transfer (Radiation)	Calculation of heat transfer by radiation between black and non black surfaces without and with participating media.		Fall 2020

اختراعات/ ثبت پتنت

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
داده های ثبت شده در پورتال						
1	احتراق اشتغال تراکمی با واکنش پذیری کنترل شده گاز/دیزل و گاز/ بیودیزل	90389	-	آیت اله قره قانی, سیدمصطفی آقامیرسلیم, رضا حسینی ابرده	1395/8/11	1414/1/12
2	دستگاه تولید کننده همزمان برق و حرارت با تلفیق سیستم فوتوولتائیک و آب گرمکن خورشیدی	81397	-	میلاد محسن زاده, رضا حسینی ابرده, دانشگاه صنعتی امیرکبیر	1392/9/10	1412/8/11
3	طراحی و ساخت شومینه با هندسه و مصالح جهت افزایش بازدهی حرارتی آن	69662	Iran (Islamic Republic of)	رضا حسینی ابرده, حسن رحیم زاده, علی طاهریان, دانیال قهرمانی مقدم	1390/1/12	1409/8/10
4	دستگاه خنک کاری با جوشش استخری	68033	Iran (Islamic Republic of)	امیر غلامی نژاد, رضا حسینی ابرده, مهدی نبیل, محمدحسین صمدی نیا	1389/9/10	-