



دانشگاه صنعتی امیرکبیر  
(پلی تکنیک تهران)

پست الکترونیک:

[mani@aut.ac.ir](mailto:mani@aut.ac.ir)

شماره تماس:

:(Scopus) h-index

7

:ارجاعات (Scopus):

181



محمود مانی

استاد

دانشکده مهندسی هوافضا

گروه آموزشی آیرودینامیک - جلوبرنده‌ها

## رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	بررسی تجربی تاثیر آرایش و شرایط عملکردی عملگرهای پلاسمایی تخلیه سد دی الکتریک در کنترل جریان تراکم پذیر روی یک ایرفویل فوق بحرانی	علیرضا غیور و محمود مانی	تیر 1399
2	بررسی تجربی اثر زاویه شکست بال روی عملکرد بال زن	مجتبی رضانی ولوجردی و محمود مانی	مهر 1398
3	بررسی تجربی دنباله جریان در یک ایرفویل تحت نوسان پیچشی در جریان تراکم پذیر	بهناز بهشتی برومند و محمود مانی	اسفند 1396
4	بررسی پدیده اشغال در مشعل های چرخشی	مسعود عیدی عطارزاده و محمود مانی	دی 1396
5	اصلاح مدل تجزیه شیمیایی به روش DSMC برای بهبود تخمین محاسباتی گرمایش آیرودینامیکی اجسام بازگشتی به جو زمین	رامین ذاکری و محمود مانی	مهر 1396
6	بررسی پدیده گذرش روی یک ایرفویل درحالت نوسانی پیچ درجریان تراکم پذیر	عبدالعلی حقیری و محمود مانی	اسفند 1395
7	بررسی تجربی جریان ناپایا حول ایرفویل مجهز به فلپ گاردنی در نوسان پلانجینگ	فریبا اجلی و محمود مانی	اسفند 1391
8	بررسی اثرات توربالانس اتمسفر بر روی خصوصیات دسته فرمان هواپیما	کامران رئیسی چرمکانی و محمود مانی	فروردین 1387
9	حل عددی معادلات لایه شوک لزج در دستگاه مختصات شوک بافعل وانفعالات شیمیایی	سجاد قاسملوی و محمود مانی	آذر 1386

### پایان نامه های کارشناسی ارشد

#	عنوان پایان نامه	توسط	تاریخ دفاع
1	بررسی تجربی وعددی دنباله جریان مغشوش در پائین دست یک توربین باد محور افقی	شبنم چایی پز و محمود مانی	بهمن 1400
2	کنترل جریان در اطراف اجسام یخ، به کمک محرک های پلاسمایی	مریم السادات طباطبایی و محمود مانی	مهر 1400
3	بررسی تجربی اغتشاشات صوتی انواع توربین بادهای محور عمودی	روژین شگری خانقاه و محمود مانی	شهریور 1400
4	اندازه گیری تجربی توزیع فشار بر روی سطوح استوانه دوارو مخروط دوار	امیررضا رضائی و محمود مانی	فروردین 1400
5	بررسی تجربی اثر توری در بالا دست وپائین مقطع آزمایشی بر کیفیت جریان در تونل باد	رضا اسکندری فرد و محمود مانی	دی 1399
6	استفاده از انواع محرک های پلاسمایی برای کنترل جریان پله	سیدمحمد حکیمی کلخوران و محمود مانی	مهر 1399
7	بررسی تجربی آیرودینامیکی بال های هوشمند به همراه طراحی مکانیزم تغییر شکل پذیری	پریسا قانونی بستان اباد و محمود مانی	بهمن 1398
8	بررسی ویژگیهای آیرودینامیکی اثر جت عمودی پلازما بر جریان آزاد عبوری روی صفحه ی تخت	بهاره مجردعادی و محمود مانی	مهر 1398
9	بررسی تجربی دنباله ی ایرفویل صدمه دیده از طریق تحلیل فرکانسی با استفاده از روش تبدیل موجک و شناسایی پدیده های جریان	فاطمه اجتهادی و محمود مانی	مهر 1398
10	اثر زاویه سرش جانبی بر مشخصات آیرودینامیکی بال با پسگرایی در جریان پایا و ناپایا	علیرضا عروجی و محمود مانی	مرداد 1398
11	اثر زوایه دایهدرال بر مشخصات آیرودینامیکی بال پرنده بالزن بدون پس گرایی و پس گرای نوآورانه	مصطفی امیری طیبی و محمود مانی	تیر 1398
12	بررسی سرعت جریان القائی توسط چیدمان های مختلف عملگر پلاسمایی DBD	پگاه محمدپور و محمود مانی	تیر 1397
13	تحلیل عددی کمی و کیفی مشخصات آیرودینامیکی بالهای محدود صدمه دیده با درنظر گرفتن اثر نسبت باریک شونده	میلاذ رئیسیان و محمود مانی	بهمن 1396
14	بررسی عددی جریان حول بال صدمه دیده در حالت ناپایا	رضا کلانتری و محمود مانی	آذر 1396
15	بررسی عملکرد آیرودینامیکی بالک چند مثلثی در رژیم تراکم پذیر به روش عددی	محمد اسمعیلی و محمود مانی	مهر 1396
16	کنترل وضعیت ماهواره انعطاف پذیر با درنظر گرفتن اثرات گشتاورهای اغتشاشی آیرودینامیکی	سهیل خلجیان و محمود مانی	بهمن 1395
17	بررسی تجربی جریان پایا حول ایرفویل مجهز به فلپ گارنی و مولد گردابه	محمد جبلی و محمود مانی	آبان 1395
18	مطالعه عددی اثر تعمیر بر روی مشخصات آیرودینامیکی بال نامحدود صدمه دیده با صدمه مخروطی	وحید نصراصفهانى و محمود مانی	مهر 1395
19	تحلیل جریان سه بعدی مغشوش حول اجسام مدور	سمیرالسادات میرعمادی و محمود مانی	تیر 1395
20	کنترل وضعیت هماهنگ ماهواره های همکار در حضور گشتاور ناشی از نیروی آیرودینامیکی	سیدامیرحسین امتیازی پور و اسفند محمود مانی	1394

1394	محمد صالح سلطانی نژاد و محمود مانی	21	تاثیر یک پرتابه هوا به فضا نصب شده روی یک هواپیمای مسافربری بر ضرائب اصلی آیرودینامیکی پرنده حامل
1394	مصطفی ابراهیمی و محمود مانی	22	طراحی آیرودینامیکی بال هواپیمای مسافربری
1393	محسن چکانی و محمود مانی	23	طراحی یک منظومه ناوبری بومی
1393	مجتبی لاریجانی و محمود مانی	24	تدوین کد مهندسی جهت محاسبه ضرائب دینامیکی وسایل پرنده
1393	حبیب نذاف و محمود مانی	25	تحلیل عددی مشخصات آیرودینامیکی بال های صدمه دیده با در نظر گرفتن تغییر در زاویه نفوذ صدمه
1393	عادل مخدوم و محمود مانی	26	مطالعه تجربی دنباله بال صدمه دیده
بهمین 1392	ساناز عباسی و محمود مانی	27	کالیبراسیون تونل باد
بهمین 1392	زینب حیدری و محمود مانی	28	مطالعه عددی صدمه دایروی روی بال بانسبت منطری محدود
بهمین 1392	علیرضا اسحاقیان سیچانی و محمود مانی	29	تحلیل تجربی آیرودینامیک یک مدل پهپاد
بهمین 1391	نرگس اشیک اقاسی و محمود مانی	30	بررسی آیرودینامیکی ایرفویل مجهز به فلپ گارنی در جریان پایدار و ناپایدار
بهمین 1391	مهزاد خوش لسان و محمود مانی	31	بررسی جریان ناپایا حول ایرفویل مجهز به گارنی فلپ با نوسان plunge
بهمین 1390	امیررضا یآوری و محمود مانی	32	تعیین عدم قطعیت در آزمایشهای تجربی آیرودینامیکی
بهمین 1390	مسعود استاد و محمود مانی	33	تحلیل تجربی جریان داخل مجرای ورودی S شکل با اندازه گیری توزیع فشار در مقاطع مختلف مجرا
بهمین 1390	نیوشا فلاح پور و محمود مانی	34	بدست آوردن محل گذرروی NACA0012 با استفاده از hot film
1390	شهاب الدین فتوحی و محمود مانی	35	بررسی عددی و تجربی خواص ایرفویل صدمه دیده و مقایسه‌ی نتایج حاصله
1389	محمود جودکی و محمود مانی	36	اثر دیواره بر روی ایرفویل در حالت نوسان PITCHING با تعمیم روشها در حالت پایدار
1389	فخری اعتمادی و محمود مانی	37	بررسی اثرتعمیربرروی ایرفویل صدمه دیده
خرداد 1389	محمد سعیدی و محمود مانی	38	بررسی عددی و تجربی ایرفویل در حال نوسان plunging و اصلاح دیواره
بهمین 1388	سمانه ایوانی و محمود مانی	39	اندازه گیری تجربی جریان حول ایرفویل در حال pitching با اثرات زبری سطح
1388	اصغر فضلی و محمود مانی	40	بررسی تجربی آیرودینامیک مجرای ورودی هوا بصورت دوگانه در مجاورت بدنه
1388	محسن تیوای و محمود مانی	41	تحلیل عددی مجرای تخلیه موتور جت در پایین دست تونل باد مافوق صوت
1388	علی یاراحمدی و محمود مانی	42	تعیین اثر زبری بر روی عملکرد آیرودینامیکی بال در حال نوسان عمودی
اسفند 1387	سیدمیلاد مدینه ای و محمود مانی	43	طراحی ورودی موتور توربوجت برای کارکرد روی زمین و محاسبه جت خروجی آن

44	::بررسی WAKE در جریان ناپایا پشت یک ایرفویل در حرکت نوسانی پیچشی	حامد صادقی و محمود مانی	مهر 1387
45	بررسی توزیع فشار در اطراف یک ایرفویل در جریان ناپایدار در حرکت نوسانی بافرکانس پایین و متوسط	سیده فاطمه عبدی و محمود مانی	فروردین 1387
46	تحلیل و بررسی تجربی اثرات دیواره بر روی تغییرات عملکرد آیرودینامیکی یک ایرفویل در اثر صدمه	زهره کاظمی سراسکانرود و محمود مانی	فروردین 1387
47	بررسی عملکرد آیرودینامیکی یک ایرفویل در حرکت نوسانی قائم همراه با بررسی براستگی (WAKE) در پشت ایرفویل	فهیمة گودرزی و محمود مانی	فروردین 1387
48	بررسی اثرات صدمه در یک بال نامحدود به روش عددی	سروش سلیمی و محمود مانی	شهریور 1386
49	بررسی جریان به دور یک ایرفویل در حرکت نوسانی عمودی	فریبا اجلی و محمود مانی	اسفند 1385
50	مطالعه عددی خواص بال محدود صدمه دیده به شکل مثلث و ستاره	سهیلا عبدالهی پور و محمود مانی	بهمن 1385
51	بررسی تجربی ضرایب پایداری و کنترل یک مدل هواپیما	حامد خدابخشیان نایینی و محمود مانی	خرداد 1384
52	تحلیل تجربی آیرودینامیک یک مدل اتومبیل	علی محمد توکلی تفت و محمود مانی	مهر 1383
53	اندازه گیری توزیع فشار حول ایرفویل NAC AOO/2 در حال نوسان و در رژیم تراکم ناپذیر	الهام طلوعی و محمود مانی	بهمن 1382
54	انتخاب موتور برای یک موشک و تعیین تاثیرات آیرودینامیکی آن	محمد محمدی و محمود مانی	آبان 1382
55	اصلاح جریان پتانسیل در شیپوره های همگرا- واگرا با استفاده از روشهای لایه مرزی	پریسا مشروطه چی و محمود مانی	شهریور 1382
56	طراحی آیرودینامیک یک موشک از نوع کروژ	مهدی ثنایی و محمود مانی	خرداد 1382
57	محاسبه ضرایب آیرودینامیکی استوانه چرخنده در جریان بررسی و تعادل بین سطوح پایدار کننده چرخش	مهدی حمیدی زاده ابرقوئی و اردیبهشت محمود مانی	1380
58	کالیبر کردن لوله شوک	امراه مرادی و محمود مانی	اسفند 1379
59	بررسی رول القایی در موشک کنترل کارفارد	مجید میرفلاحی خدانی و محمود مانی	اسفند 1379
60	آنالیز آیرودینامیک موشکهای با سطح مقطع مربع با اتکاء به روشهای عددی موجود	شادی محبوب و محمود مانی	آبان 1379
61	محاسبه فشار esub و تست تجربی	عبدالعلی حقیری و محمود مانی	مهر 1379
62	محاسبه شدت دبی و نسبت oxid fuel صفحه انژکتور موتور موشک سوخت مایع قبل از احتراق به دوصورت تئوری و آزمایشگاهی	مجتبی دادخواه و محمود مانی	فروردین 1378
63	بررسی جریان مافوق صوت بر روی اجسام با تقارن محوری همراه با بالک	محمد خان احمدی و محمود مانی	اسفند 1377
64	حل جریان دوبعدی تراکم پذیر ولزج حول ایرفویل در رژیمهای مختلف جریان	مصطفی هادی دولابی و محمود مانی	بهمن 1376
65	اندازه کردن و بهینه سازی دم هواپیما از دیدگاه تعادل و پایداری	حسن هوشنگی و محمود مانی	بهمن 1376

66	شبيه سازی عددی معادلات لایه مرزی با اثرات شوک بر روی اجسام تقارن محوری	محمد رضا نوفرستی و محمود بهمن مانی	1376
67	محاسبه ضرایب آیرودینامیکی موشک	اصغر عالی زاده و محمود اسفند مانی	1375
68	بررسی فنی و طراحی مقدماتی یک نیروگاه بادی برای مناطق مختلف ایران	مسعود برنگی و محمود مانی	1375
69	شبيه سازی سه بعدی جریان مافوق صوت دائم با معادلات اویلر به روش عددی پیشرفته در فضا	جعفر الوان کاریان و محمود بهمن مانی	1375
70	طراحی و ساخت لوله شوک	سید مهدی مروج جهرمی و محمود مانی	آذر 1375
71	کاربرد روش مشخصه ها در جسم باتقارن محوری	قادر قائمی و محمود مانی	مهر 1375
72	بررسی توربین گاز صنعتی در شرایط اقلیمی مختلف	عبدالله محرابی و محمود مانی	مهر 1375
73	طراحی آنرودینامیکی هواپیمای بدون سرنشین	حسن عیسوند و محمود مانی	شهریور 1375
74	حل معادله پتانسیل حالت سه بعدی فرض اغتشاشات جزئی	افشین خواجه فرد و محمود مانی	شهریور 1375

## مقالات ژورنال

### داده های ثبت شده در پورتال

- 1 Bahare Mojarrad, Saeed Oveisi, Mostafa Kazemi, Mahmoud Mani, "Experimental Investigation of the employing DBD plasma actuators as virtual Gurney Flap", *Journal of Aerospace Science and Technology*, Vol. 14, Num. 1, Page 120-130, November 2021,
- 2 Pegah Mohammadpour, Mahmoud Mani, Mohammad Saeedi, "Experimental investigation of induced velocity by dielectric barrier discharge plasma actuator in different configurations", *AIP Advances -American Institute of Physics*, Vol. 11, Num. 10, Page 1-16, October 2021,
- 3 Soheila Abdolahi-pour, Mahmoud Mani, Arash Shams Taleghani, "Parametric study of a frequency-modulated pulse jet by measurements of flow characteristics", *PHYSICA SCRIPTA*, Vol. 96, Num. 125012, Page 1-22, October 2021,
- 4 Parisa Ghanooni Bostan Abad, Mostafa Kazemi, Mahmoud Mani, "Winglet Cant angle Effects on the Aerodynamic Forces of the Supercritical Wing", *Journal of Aerospace Science and Technology*, Vol. 14, Num. 1, Page 85-93, October 2021,
- 5 Mostafa Kazemi, Ali Madadi, Mahmoud Mani, "Optimization of the Slotted Gurney-Flap geometry applied to NACA 0012 airfoil for aerodynamic performance improvement", , Vol. 1, Num. 1, Page 1-10, June 2021,
- 6 Mojtaba Ramezani Voloogerdi, Mahmoud Mani, "Experimental investigation of the effect of flapping on the lift and thrust forces of 3D-wing", , Vol. 53, Num. 3, Page 1-13, April 2021,
- 7 Kasra Amini, Arash Mehrjou, Mahmoud Mani, "Enhancing the resolution of the angular orientations of the flow controlling blades on a sustainable house by training an artificial neural network", *Energy Efficiency*, Vol. 14, Num. 25, Page 1-20, February 2021,
- 8 Saber Karimi, Arash Zargar, Mahmoud Mani, Arman Hemmati, "The Effect of Single Dielectric Barrier Discharge Actuators in Reducing Drag on an Ahmed Body", *Fluids*, Vol. 5, Num. 4, Page 1-18, December 2020,
- 9 Mostafa Kazemi, Parisa Ghanooni Bostan Abad, Mahmoud Mani, Mohammad Saeedi, "Drag reduction of 3D bluff body using SDBD plasma actuators", *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART D- JOURNAL OF AUTOMOBILE ENGINEERING*, Vol. 0, Num. 0, Page 1-20, October 2020,

- 10 Ramin Zakeri, Ramin Kamali Moghadam, Mahmoud Mani, "New development in DSMC algorithm for asymmetric complex geometry", , Vol. 52, Num. 7, Page 41-50, September 2020,
- 11 B. Mohammadikalakoo, P. Schito, Mahmoud Mani, "Passive flow control on Ahmed body by rear linking tunnels", *JOURNAL OF WIND ENGINEERING AND INDUSTRIAL AERODYNAMICS*, Vol. 205, Num. 10, Page 1-16, July 2020,
- 12 Alireza Ghayour, Mahmoud Mani, Mohammad Saeedi, "Experimental Investigation of Different Plasma Vortex Generator Configurations for Compressible Flow Control", *Aerospace Knowledge and Technology Journal*, Vol. 9, Num. 1, Page 125-139, May 2020,
- 13 Mostafa Kazemi, Parisa Ghanooni Bostan Abad, Mahdi Sharifi, Mahmoud Mani, "Experimental Investigation of Using Different Shape of Turbine for Controlling Wingtip Vortices", *Journal of Aerospace Science and Technology*, Vol. 13, Num. 1, Page 17-25, May 2020,
- 14 Bahareh Yahyavi, Mahmoud Mani, Habib Nadaf, "Numerical Investigation on Aerodynamic Characteristics of Damaged Infinite Wings With Variation in Penetration Angle", *Journal of Aerospace Technology and Management*, Vol. 12, Num. 1125, Page 1-24, January 2020,
- 15 Mojtaba Ramezani Volojjerdi, Mahmoud Mani, "Aerodynamic Characteristics of Conventional and Innovative High Lift Swept Wings", *JOURNAL OF BIONIC ENGINEERING*, Vol. 16, Num. 3, Page 432-441, May 2019,
- 16 Masoud Eidi Attar Zade, Sadegh Tabejamaat, Mahmoud Mani, Mohammad Farshchi, "Numerically Investigation of Ignition Process in a Premixed Methane-Air Swirl Configuration", *ENERGY*, Vol. 171, Num. 1, Page 830-841, January 2019,
- 17 Alireza Ghayour, Mahmoud Mani, "Experimental investigation of plasma vortex generator in flow control", *AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY*, Vol. 0, Num. 0, Page 1-10, January 2019,
- 18 Kamran Iranshahi, Mahmoud Mani, "Dielectric Barrier Discharge Actuators Employed as Alternative to Conventional High-Lift Devices", *JOURNAL OF AIRCRAFT*, Vol. 0, Num. 0, Page 1-10, June 2018,
- 19 Behnaz Beheshti Broumand, Mahmoud Mani, "Experimental and Numerical Study of the Unsteady Wake of a Supercritical Airfoil in a Compressible Flow", *Journal of Aerospace Technology and Management*, Vol. 0, Num. 0, Page 1-21, May 2018,
- 20 Fakhri Etemadi, Mahmoud Mani, Ramin Kamali Moghadam, "Numerical and experimental investigation of damage effect on a hemispherical parachute performance", *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING*, Vol. 1, Num. 1, Page 1-11, April 2018,
- 21 Masoud Eidi Attar Zade, Sadegh Tabejamaat, Mohammad Farshchi, Mahmoud Mani, "Numerical investigation of the effects of initial temperature on the ignition in a shear-less mixing layer", , Vol. 11, Num. 1, Page 101-120, April 2018,
- 22 Masoud Eidi Attar Zade, Sadegh Tabejamaat, Mahmoud Mani, Mohammad Farshchi, "Numerical Study of Ignition Process in Turbulent Shear-less Methane-air Mixing Layer", *FLOW TURBULENCE AND COMBUSTION*, Vol. 0, Num. 0, Page 1-28, May 2017,
- 23 Fakhri Etemadi, Mohammad Etemadi, Mahmoud Mani, Sina Pooladsanjajamloo, "Experimental and numerical analysis of aerodynamic effects of repair patches on damaged airfoils", *JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY*, Vol. 31, Num. 2, Page 651-658, February 2017,
- 24 Masoud Eidi Attar Zade, Sadegh Tabejamaat, Mahmoud Mani, Mohammad Farshchi, "Studying the Effects of Temperature on Ignition of Methane-air Jet using LES Method", , Vol. 9, Num. 2, Page 1-19, February 2017,
- 25 Sahar Noori, Sadjad Ghasemloo, Mahmoud Mani, "Viscous Shock Layer Around Slender Bodies with Nonequilibrium Air Chemistry", *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, Vol. 0, Num. 0, Page 0-0, November 2016,
- 26 Farhad Fani Saberi, Soheil Khalajian, Mahmoud Mani, "Sliding Mode Active Vibration Suppression and Three Axis Attitude Control of Satellite Using Four Reaction Wheels", *International Journal of Computer Applications*, Vol. 152, Num. 1, Page 29-36, October 2016,
- 27 Ramin Zakeri, Ramin Kamalimoghadam, Mahmoud Mani, "A New Approach for Chemical Reaction Gas flow by DSMC Method", *COMPUTERS & FLUIDS*, Vol. -, Num. 0, Page 0-0, September 2016,

- 28 Vahid Nasr Esfahani, Mahmoud Mani, "Numerical Study of Reduced Frequency Effect on Longitudinal Stability Derivatives of Airfoil under Pitching and Plunging Oscillations", *Journal of Aerospace Technology and Management*, Vol. 0, Num. 0, Page 1-9, July 2016,
- 29 Abbas Tarabi, Sajad Ghasemloo, Mahmoud Mani, "Aerodynamic and Performance Evaluation of a Variable-Sweep Morphing Wing", *SCIENTIA IRANICA TRANSACTION B-MECHANICAL ENGINEERING*, Vol. 23, Num. 6, Page 2694-2703, April 2016,
- 30 Behnaz Beheshti Broumand, Mahmoud Mani, Niosha Fallahpour, "Experimental and numerical investigation into the wake of supercritical airfoil in a compressible unsteady flow", *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING*, Vol. 0, Num. 0, Page 0-0, March 2016,
- 31 Abdolali Haghiri, Niosha Fallahpour, Mahmoud Mani, Mehran Tadjfar, "Experimental study of boundary layer in compressible flow using hot film sensors through statistical and qualitative methods", *JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY*, Vol. 29, Num. 11, Page 4671-4679, November 2015,
- 32 Soheila Abdollahipour, Mahmoud Mani, "Investigation into the effects of damage on aerodynamic properties of a wing in three dimension flow", *Aerospace Knowledge and Technology Journal*, Vol. 4, Num. 2, Page 7-19, September 2015,
- 33 Abbas Tarabi, S. Ghassemloo, Mahmoud Mani, "Experimental investigation of a variable-span morphing wing model for an unmanned aerial vehicle", *JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING*, Vol. 2015, Num. 8, Page 1-11, August 2015,
- 34 Mohammad Saeedi, Mahmoud Mani, Armin Hamta, "WALL-INTERFERENCE CORRECTION FOR THE SURFACE-PRESSURE HYSTERESIS OF AN AIRFOIL UNDERGOING PLUNGING MOTION", *TRANSACTIONS OF THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING*, Vol. 39, Num. 2, Page 293-305, May 2015,
- 35 A. Tarabi, S. Gasemloo, Mahmoud Mani, "Experimental and Numerical Study of a Variable-Span-Sweep Morphing Wing on the Aerodynamic Characteristics of a UAV", , Vol. 15, Num. 3, Page 125-136, May 2015,
- 36 Abdolali Haghiri, Mahmoud Mani, فلاح پور, "unsteady boundary layer mesearment on an oscillating supercritical airfoil in compressible flow using multiple hot-film sensors", *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING*, Vol. -, Num. 0, Page 0-0, November 2014,
- 37 Niusha Fallahpour, Abdolali Haghiri, Mahmoud Mani, "Reduced Frequency Effect on an Unsteady Compressible Boundary Layer over an Oscillating Supercritical Airfoil", *JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING*, Vol. 1, Num. 40430, Page 1-1, September 2014,
- 38 Fariba Ajalli, Mahmoud Mani, "Effects of adding strip flap on a plunging airfoil", *AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY*, Vol. 86, Num. 1, Page 6-18, January 2014,
- 39 Fariba Ajalli, Mahmoud Mani, Mojgan Gharakhanlou, "Frequency analysis of the wake of an aerofoil in plunging motion using hot wire", , Vol. 15, Num. 2, Page 39-54, December 2013,
- 40 Fariba Ajalli, Mahmoud Mani, "Plunging Airfoil Load Characteristics Equipped with Gurney Flap", *Journal of Aerospace Science and Technolgy*, Vol. 10, Num. 2, Page 25-36, September 2013,
- 41 Fariba Ajalli, Mahmoud Mani, Mojgan Gharakhanlou, "Wake Frequency Analysis of a Plunging Airfoil with Trailing-Edge Strips", *Applied Mechanics and Materials*, Vol. 225, Num. 2012, Page 3-7, November 2012,
- 42 Fariba Ajalli, Mahmoud Mani, Mehran Tadjfar, "Plunging Wake Analysis of an Airfoil Equipped With a Gurney Flap", *EXPERIMENTAL TECHNIQUES*, Vol. 36, Num. 6, Page 1-13, October 2012,
- 43 Amrollah Moradi, Fata Mohammadi Fard, Mahmoud Mani, Mohammadali Ranjbar, Mobin Mottaghypour, "Experimental and Numerical Investigation of AUT Shock Tube", *European Journal of Experimental Biology*, Vol. 2, Num. 5, Page 1820-1826, October 2012,
- 44 M.. Sanei Nejad, Mahmoud Mani, "a numerical investigation on super sonic turbulent boundary layer on rough plates", , Vol. 2, Num. 25, Page 46-76, February 2012,
- 45 Fakhri Etemadi, Bahareh Yahyavi, Mahmoud Mani, "Experimental and numerical investigations on an airfoil with triangular- and star-shaped damage", *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G- JOURNAL OF AEROSPACE ENGINEERING*, Vol. 0, Num. 0, Page 1-20, November 2011,

- 46 Mahmoud Mani, Mohammad Saeedi, Fariba Ajalli, "A comprehensive numerical study of battle damage and repairs upon the aerodynamic characteristics of an aerofoil", *The Aeronautical Journal*, Vol. 114, Num. 1158, Page 0-0, October 2010,
- 47 F Rasi Marzabadi, Behnaz Beheshti Broumand, Mahmoud Mani, Fariba Ajalli, "Aerodynamic Investigation of a Damaged Airfoil with Wall Effects", *International journal of science and thechnology*, Vol. 17, Num. 5, Page 395-405, September 2010,
- 48 Mahmoud Mani, S.M.H. Karimian, "Unsteady wake measurements behind an airfoil and prediction of dynamic stall from the wake", , Vol. 82, Num. 4, Page 0-0, July 2010,
- 49 Sahar Noori, Sadjad Ghasemlooy, Mahmoud Mani, "A new method for solution of viscous shock-layer equations", *IMechE*, Vol. 224, Num. 0, Page 0-0, November 2009,
- 50 Peter M.Render, Mahmoud Mani, "Aerodynamics of Battle -Damaged Finite -Aspect -Ratio Wings", , Vol. , Num. 3, Page 0-0, June 2009,
- 51 Sadjad Ghasemlooy, Mahmoud Mani, "Non-Equilibrium Viscous Shock-Layer Technique for Computing Hypersonic Flow Around Blunt-Nosed Slender Bodies", , Vol. , Num. 5, Page 0-0, May 2009,
- 52 K. Amiri, M. R. Soltani, Abdolali Haghiri, Mahmoud Mani, "An Experimental Investigation of Effects of Wall Porosity and Suction on the Flow Quality in a Transonic Wind Tunnel", *Journal of Aerospace Science and Technology*, Vol. 6, Num. 2, Page 63-70, April 2009,
- 53 Hamed Sadeghi, Mahmoud Mani, "Measurements of the flow field behind a helicopter blade using the hot-wire anemometry", , Vol. 0, Num. 2, Page 0-0, March 2009,
- 54 Sahar Noori, Sadjad Ghasemloo, Mahmoud Mani, "A new method for solution of viscous shock-layer equations", *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING*, Vol. 224, Num. 1, Page 719-729, November 2008,
- 55 Kamran Raissi Charmceni, Mahmoud Mani, Mehdi Sabzeh Parvar, [en-name N/A], "A single heavy load airdrop and its effect on a reversible flight control system", , Vol. , Num. 4, Page 0-0, July 2008,
- 56 Kamran Raissi Charmceni, Mahmoud Mani, [en-name N/A], A.S. Nobari, "Analysis of a reversible flight control system response to atmospheric turbulence", *Aeronautical Journal*, Vol. 112, Num. 1128, Page 0-0, February 2008,
- 57 Mohammad Reza Navabi, Mostafa Shamsi, Mahmoud Mani, "Time-Optimal Switching Control Computation of Nonlinear Systems Using LGI Method", , Vol. 0, Num. 0, Page 0-0, October 2007,
- 58 Sadjad Ghasemlooy, Mahmoud Mani, [en-name N/A], "Viscous Shock -Layer Solutions Around Hypersonic Bodies For Low and High Altitude Flow", , Vol. 0, Num. 0, Page 0-0, May 2007,
- 59 Peter M.Render, Suraj De Silva, Andrew J Walton, Mahmoud Mani, "Experimental Investigation into The Aerodynamics of Battle Damaged Airfoils", , Vol. , Num. 2, Page 0-0, April 2007,
- 60 Hamin Parhizkar Ghazani, S.M.H. Karimian, Mahmoud Mani, "Numerical Simulation of Flow Past Oscillating Airfoil Using Oscillation of Flow Boundary Condition", , Vol. 3, Num. 1, Page 0-0, March 2006,
- 61 Seyed Mahdy Mirsajedy, S.M.H. Karimian, Mahmoud Mani, "A Multizone Moving Mesh Algorithm for Simulation of Flow Around a Rigid Body With Arbitrary Motion", , Vol. 128, Num. 2, Page 0-0, January 2006,
- 62 Mahmoud Mani, Shadi Mahjoob, "A Comparative Investigation into Aerodynamic Performanees of two set Finned Bodies With Circular and non Circular Cross Sections", , Vol. 0, Num. 1, Page 0-0, January 2006,
- 63 Mahmoud Mani, Mohammadreza Soltani, Elham Tolouei, "An Experimental Study of Time Lag for Pressure Measurement in Different Tubes", , Vol. 0, Num. 61, Page 0-0, November 2005,
- 64 Mahmoud Mani, Mohammadreza Soltani, Abdolali Haghiry, "Experimental Investigation of Base Pressure of 2D and 3D Bodies and Evaluation of Theoretical Methods", *ESTEGHLAL, Engineering journal of Isfahan Univ. of Tech.*, Vol. , Num. 1, Page 0-0, September 2004,
- 65 Mahmoud Mani, Arash Naghib Lahouti, [en-name N/A], "Experimental and numerical aerodynamic analysis of a satellite launch vehicle with strap \_on boosters", , Vol. , Num. 10, Page 0-0, July 2004,



- 66 Shadi Mahjoob, Mahmoud Mani, [en-name N/A], "Aerodynamic analysis of circular and non - circular bodies using computational and semi -empirical methods", , Vol. , Num. 1, Page 0-0, March 2004,
- 67 Mahmoud Mani, Mojtaba Dadkhah, "The Measurement of oxidant/fuel ratio in injector plate of liquid propellant rocket engine before combustion ,with experimental method and its comparison with theoretical method", , Vol. , Num. 26, Page 0-0, September 2002,
- 68 Mahmoud Mani, Vahid Madani, Afshin Khajehfard, "Investigation into Aerodynamics of Non Circular Slender Bodies", *Amirkabir*, Vol. 0, Num. 44, Page 0-0, December 2000,
- 69 Mahmoud Mani, Hassan Hooshangi, "Study of Spin Phenomena for a Light Aircraft", *Amirkabir*, Vol. 0, Num. 40, Page 0-0, June 1999,

## مقالات کنفرانس

### داده های ثبت شده در پورتال

- 1 Hosein Salehi, Mostafa Kazemi, Milad Seydi, Seyed Ahmad Modirghomi, Mahmoud Mani, "Road vehicle engine cooling performance improvement by the help of flow control and employing 3D/1D flow simulation and road tests ", 10th international conference on mechanical, construction, industrial and civil engineering, December 2021
- 2 Mohammad Mosallanejad, Mostafa Kazemi, Sahar Noori, Mahmoud Mani, Mohammad Reza Fatehi, "Study of the Gurney-Flap impact on the NACA0012 airfoil at pitching motion ", 1st international conference on mechanics, electrical, aerospace engineering and engineering sciences, December 2021
- 3 Mohammad Reza Fatehi, Mostafa Kazemi, Hoda Mahdavi, Mahmoud Mani, Sahar Noori, "Experimental Study of the Gurney Flap Geometry Effects on the Performance of Different Airfoils ", 19th Fluid Dynamics Conference, November 2021
- 4 Amir Hesam Fathabadi, Mostafa Kazemi, Mohammad Jafar Kermani, Mahmoud Mani, "Design and Manufacturing of a facility for visualization of the Rayleigh-Taylor Instability to study the critical wave length concept ", 19th Fluid Dynamics Conference, November 2021
- 5 Parisa Ghanooni Bostan Abad, Mostafa Kazemi, Mahmoud Mani, "Experimental Investigation of Different Winglet Cant Angles Effects on the Performance of Super-Critical Wing ", The 19th International Conference of Iranian Aerospace Society, May 2021
- 6 Bahare Mojarad, Saeed Oveisi, Mostafa Kazemi, Mahmoud Mani, "Experimental Investigation of using Plasma Actuators as Virtual Gurney Flap ", The 19th International Conference of Iranian Aerospace Society, May 2021
- 7 Rojin Shokri Khanghah, Mostafa Kazemi, Mahmoud Mani, "Investigation of the Effect of Using Airfoils as a Savonius Wind Turbine Blade ", The 19th International Conference of Iranian Aerospace Society, May 2021
- 8 Bahare Mojarad, Saeed Oveisi, Mostafa Kazemi, Mahmoud Mani, "Frequency Study of the acting Plasma Gurney Flap on the Flow Field around a Flat Plate Airfoil ", The Fourth International Conference on Mechanical Engineering, Industries and Aerospace, March 2021
- 9 Mostafa Kazemi, Ali Mohammadi Kashani, Mohsen Esfandeyar, Akbar Mahdavalala, Mahmoud Mani, "Aeroacoustics noise source reduction of IKCO DENA+ by external aerodynamic improvement ", The First Conference on Automotive Industries Recent Advances and Future Trends, December 2020
- 10 Mostafa Kazemi, Mohsen Esfandeyar, Ali Mohammadi Kashani, Akbar Mahdavalala, Mahmoud Mani, "Experimental investigation of Vortex Generators effects on the IKCO DENA+ aerodynamics ", The First Conference on Automotive Industries Recent Advances and Future Trends, December 2020
- 11 Mostafa Kazemi, Mohadesse Lorestani, Rojin Shokri Khanghah, Akbar Mahdavalala, Mahmoud Mani, "Aeroacoustics noise source reduction of IKCO DENA+ by external aerodynamic improvement ", The First Conference on Automotive Industries Recent Advances and Future Trends, December 2020
- 12 Parisa Ghanooni Bostan Abad, Mostafa Kazemi, Mahmoud Mani, Mehran Masdari, "Experimental investigation of the effect of different winglet planforms on aerodynamics performance of the NACA 64412 ", ISME2020, May 2020

- 13 B. Mohammadikalakoo, Koosha Shariloo, Mahmoud Mani, "Design of high-frequency blowing system for flow control ", The 28th Annual International Conference of Iranian Society of Mechanical Engineering ISME2020, May 2020
- 14 Sina Nozarian, Mohammad Jafar Kermani, Mahmoud Mani, "A Review Of Winglet Effect On Wing Performance ", The 18th International Conference Of Iranian Aerospace Society, February 2020
- 15 Seyed Ahmad Sajjadi, Mohammad Jafar Kermani, Mahmoud Mani, Masoud Heidari Soreshjani, "Aerodynamic optimization and experimental and numerical investigation of the effect of the winglet on wingtip vortices ", The 18th international conference of Iranian Aerospace Society, February 2020
- 16 Mostafa Kazemi, Parisa Ghanoooni Bostan Abad, Mehdi Sharifi, Mahmoud Mani, "Experimental investigation of the geometric characteristics of different winglet turbines to control the wingtip vortices ", The 18th international conference of Iranian Aerospace society, February 2020
- 17 Ahmadreza Mohammadi Feizi, Mohammad Saeedi, Mahmoud Mani, "Experimental Investigation of frequency and dihedral effect in a flapping wing bird model ", 18th conference of Iranian Aerospace Society, February 2020
- 18 Mostafa Kazemi, Parisa Ghanoooni Bostan Abad, Seyyed Hashem Hasheminiya, Mahmoud Mani, "Drag reduction of the Ahmed body using passive flow control techniques ", The 18th International conference of the Iranian Aerospace Society, February 2020
- 19 Mostafa Kazemi, Parisa Ghanoooni Bostan Abad, Mehran Masdari, Mahmoud Mani, "Development of a new method for measuring velocity vector using single-normal hotwire probe ", 18th fluid dynamic conference, August 2019
- 20 Mostafa Kazemi, Parisa Ghanoooni Bostan Abad, Mahmoud Mani, Mehran Masdari, "Numerical investigation of vortex generator on Ahmed Body ", 18th fluid dynamic conference, August 2019
- 21 Masoud Eidi Attar Zade, Sadegh Tabejamaat, Mahmoud Mani, Mohammad Farshchi, "Investigation of Ignition Process in a Premixed Swirl Configuration, ", 11TH ASIA PACIFIC CONFERENCE ON COMBUSTION (ASPACC-11), December 2017
- 22 Masoud Eidi Attar Zade, Sadegh Tabejamaat, Mahmoud Mani, Mohammad Farshchi, "Study of the effect of initial temperature on flame propagation in ignition at shear-less flow ", FCCI, November 2017
- 23 Kamran Iranshahi, Amirhossein Omidvar, Mir Reza Negahban Alvar, Mohammad Hosein Aliyoldashi, Mahmoud Mani, "Uncertainty Quantification Approaches for Prediction and Validation of Fluid Mechanics Experimental Data and Apparatus Calibration ", The 25th Annual International Conference on Mechanical Engineering, ISME2017, Tarbiat Modares university, Tehran, Iran, May 2017
- 24 Mohammad Jebelli, Maryam Moeinfar, Mahmoud Mani, "Numerical analysis of steady flow around airfoil with gurney flap and vortex generator ", 16th International conference of Iranian Aerospace society, February 2017
- 25 Farhad Fani Saberi, Soheil Khalajian, Mahmoud Mani, "active control of vibration and attitude control of a flexible satellite in the presence of external disturbances using 4 reaction wheels ", 1st International Conference on New Research Achievements in Mechanics, Mechatronics & Biomechanics, May 2016
- 26 Farhad Fani Saberi, Soheil Khalajian, Mahmoud Mani, "Three-Axis attitude control of a flexible satellite and active control of vibration based on sliding mode control ", 1st International Conference on New Research Achievements in Mechanics, Mechatronics & Biomechanics, May 2016
- 27 Farhad Fani Saberi, Seid Amir Hossein Emtiazi Pour, Mahmoud Mani, "Design of a robust attitude controller for formation flying satellites based on Chebyshev neural network in the presence of reaction wheels models and model uncertainties ", 15th International conference of Iranian Aerospace society, February 2016
- 28 Seid Amir Hossein Emtiazi Pour, Farhad Fani Saberi, Mahmoud Mani, "Backstepping adaptive attitude controller for formation flying satellites considering of non alignment trust vector and darg disturbance ", The 4th International conference on control, instrumentation and automation, January 2016
- 29 Vahid Nasr Esfahani, Mahmoud Mani, "Numerical Study of damping stability derivatives for an airfoil under pitching oscillation ", International Conference on research in Engineering, Science and Technology, July 2015
- 30 Zahra Seifollahi Moghadam, Mahmoud Mani, "High-lift device design for a jet passenger aircraft ", The 14th International Conference of Iranian Aerospace Society, March 2015

- 31 Zeinab Heidari, Mahmoud Mani, "Numerical Simulation of Circular Damage on a Finite Wing ", 13th Conference of Iranian Aerospace Society, March 2014
- 32 Narges Eshikaghasi, Mahmoud Mani, "Numerical Investigation of the Effects of Guarney Flap on the Steady Flow around an Airfoil ", 13th Conference of Iranian Aerospace Society, March 2014
- 33 Narges Eshikaghasi, Mahmoud Mani, "Aerodynamic Design of the Subsonic Wind Tunnel of Amirkabir University of Technology ", 13th Conference of Iranian Aerospace Society, February 2014
- 34 Mahzad Khoshlessan, S.M.H. Karimian, Mahmoud Mani, "Numerical Study of Transient behavior of a NACA 0008 Airfoil Equipped with a Gurney Flap Using a Control-Volume Based Finite Element Collocated Scheme ", SciTech 2014 , AIAA Science and Technology Forum and Exposition - The 52nd Aerospace Sciences Meeting, January 2014
- 35 Abdolali Haghiri, Mahmoud Mani, Niusha Fallahpour, "An Investigation of Compressible Steady Boundary Layer By Hot Film Sensor Measurement In High Speed Wind Tunnel ", 12th Iranian Aerospace Society Conference, February 2013
- 36 Asghar Fazli, Mahmoud Mani, "An Experimental Investigation of Distortion Coefficients and Air Channel Entrance Efficiency Dependence ", 12th Iranian Aerospace Society Conference, February 2013
- 37 Fatemeh Aghazadeh, Mahmoud Mani, Shakiba Moradi, "A Numerical Investigation of T-Strip effect on NACA0012 Airfoil in Unsteady Flow ", 12th Iranian Aerospace Society Conference, February 2013
- 38 Fariba Ajalli, Mahmoud Mani, T. Maaref Doost, "Miniature Flap Effects on Aerodynamic Performance of Eppler 361 Airfoil at Low Reynolds Number ", 12th Iranian Aerospace Society Conference, February 2013
- 39 Fariba Ajalli, Mojgan Gharakhanlou, Mahmoud Mani, Sahar Daraeizadeh, "AN INVESTIGATION OF GURNEY FLAP EFFECTS ON THE WAKE OF AN AIRFOIL IN PLUNGING MOTION ", Proceedings of the ASME 2012 International Mechanical Engineering Congress & Exposition IMECE2012, November 2012
- 40 Narges Eshikaghasi, Mahmoud Mani, "A Numerical Investigation Over An Airfoil With Gurney Flap In Unsteady Flow Field ", aero-hydro national conference, October 2012
- 41 Fariba Ajalli, Mahmoud Mani, Mojgan Gharakhanlou, "The Unsteady Turbulent Wake Measurements of Gurney Flapped Plunging Airfoil ", The First National Aerodynamics & Hydrodynamics Conference - HAC2012, October 2012
- 42 Mohammad Saeedi, Fariba Ajalli, Mahmoud Mani, Nasseri Oskouie, "Different Grid Strategies Toward Numerical Simulation of a Plunging Airfoil ", The Canadian Society for Mechanical Engineering International Congress2012, June 2012
- 43 Soheila Abdolahi, Mahmoud Mani, P.M.Render, "Numerical & Experimental Study of the Influence of Damage on the Aerodynamic Characteristics of Finite Wing ", 20th Annual Conference of the CFD Society of Canada, CFD2012, May 2012
- 44 Fariba Ajalli, Mahmoud Mani, "Plunging Airfoil Loading Characteristics at Low Reynolds Number Regime ", 12th Iranian Aerospace Society Conference, February 2012
- 45 Shahabaddin Fotoohi, Mahmoud Mani, "An Experimental Investigation of Petalling Effect on Damaged Wing With Direct and Reverse Triangle Shape Damages ", 11th Conference of Iranian Aerospace Society AERO2012, February 2012
- 46 Fakhri Etemadi, Bahareh Yahyavi, Mahmoud Mani, M.Etemadi, "The Experimental and Numerical Study into the Aerodynamic Characteristics of Repairing Airfoils with Star Shape Damage ", 20th AIAA Computational Fluid Dynamics Conference, June 2011
- 47 Fariba Ajalli, Mahmoud Mani, "Numerical Investigation of Dynamic Stall Phenomenon on a Plunging Airfoil ", Computational Methods and Experimental Measurements XV, May 2011
- 48 Fariba Ajalli, Mahmoud Mani, "Numerical Investigation of Light Dynamic Stall of Eppler 361 at Low Reynolds Number ", The 10th Conference of Iranian Aerospace Society, March 2011
- 49 Fakhri Etemadi, Bahareh Yahyavi, Mahmoud Mani, M. Etemadi, "An Experimental Study to the Repairing of the Damaged Airfoil ", The 10th Iranian Aerospace Society Conference, March 2011






- 50 Ali Yarahmadi, Mahmoud Mani, Mahmood Joodaki, "Light Dynamic Stall on a Plunging Airfoil Using Forced Transition ", The 10th Iranian Aerospace Society onference, March 2011
- 51 Fakhri Etemadi, Abdolali Haghiri, Mahmoud Mani, "Aerodynamic Design of an Ideal Supersonic Diffuzer Using Deflective Plates ", The 10th Iranian Aerospace Society Conference, March 2011
- 52 Amrolah Moradi, Mahmoud Mani, Kamran Raissi Charmcani, Mohammad Ali Ranjbar, "Analysis of Sock Speed at Different Pressures in a Shock Tube ", 10th Conference of Iranian Aerospace Society, March 2011
- 53 Mahmood Joodaki, Mahmoud Mani, Ali Yarahmadi, "Experimental Investigation into the Wall Effects on an Airfoil with Sinusoidal Pitching Motion ", The 10th Iranian Aerospace Society Conference, March 2011
- 54 Samaneh Eivani, Mahmoud Mani, "Experimentak Investigation into the Influence of the Dimension of Forced Transition on the Flow around a Pitching Airfoil ", The 10th Iranian Aerospace Society Conference, March 2011
- 55 Fahimeh Goodarzi, Mahmoud Mani, "Experimental Investigation of the Influence of Reduced Frequency on the Wake of a Plunging Airfouil ", The 10th Iranian Aerospace Society Conference, March 2011
- 56 Fariba Ajalli, Mahmoud Mani, Mohammad Saeedi, "Experimental Investigation of the reduced frequency effects on a plunging airfoil near static stall region ", 7th International conference on Heat Transfer, Fluid Mechanics and Thermodynamics, July 2010
- 57 Hamed Sadeghi, Mahmoud Mani, "An Experimental Study of the Unsteady Wake of an Eppler-361 Airfoil ", 40th Fluid Dynamics Conference and Exhibit, June 2010
- 58 Asghar Fazli, Mahmoud Mani, "Experimental study of total pressure distribution in a twin intake using dynamic tests ", , May 2010
- 59 Ali Yarahmadi, Mahmoud Mani, Samaneh Eivani, Hamed Sadeghi, "Experimental study of the flow over a plunging airfoil in different Reynolds number ", The ninth international conference of Iranian aerospace society, February 2010
- 60 Samaneh Eivani, Mahmoud Mani, Ali Yarahmadi, Hamed Sadeghi, "Experimental investigation into the influence of reduced frequency on the flow over a pitching airfoil ", The ninth international conference of Iranian aerospace society, February 2010
- 61 Hamed Sadeghi, Mahmoud Mani, Ali Yarahmadi, Samaneh Eivani, "Measurement of turbulence intensity in the wake of an airfoil in unsteady flow by hot wire ", The ninth international conference of Iranian aerospace society, February 2010
- 62 Hamed Sadeghi, Mahmoud Mani, "The unsteady turbulent wake measurement behind an oscillating airfoil ", , September 2009
- 63 , Mahmoud Mani, "Numerical studies about cavitation of internal turbulent flows ", 6th International Symposium on Turbulence Heat and Mass Transfer, September 2009
- 64 Hamed Sadeghi, Mahmoud Mani, "Unsteady Flow Field in the Wake of an Airfoil ", ASME Fluid Engineering Division Summer Meeting, August 2009
- 65 Hamed Sadeghi, Mahmoud Mani, "Investigation of Flow Field Behind an Oscillating Airfoil Below and Beyond Static Stall ", 7th Word Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, June 2009
- 66 Mahmoud Mani, "An Experimental Wake Analysis of a Pitching Airfoil ", 7th Word Conference on Experimental Heat Transfer, June 2009
- 67 Arash Ahmadzadegan, Abdolali Haghiry, Mahmoud Mani, "Numerical study of the effect of swirl and mining longh on the performance of djectors ", , May 2009
- 68 Hamed Sadeghi, Mahmoud Mani, "Unsteady wake measurements of airfoil ", The 12th conference of fluid dynamics, April 2009
- 69 Mahmoud Mani, "Study of the Damage Shape on the Aerodynamics of an Airfoil ", The eighth international conference of Iranian aerospace society, February 2009
- 70 Ali Yarahmadi, Mahmoud Mani, "Effect of forced transition on an airfoil in plunging motion ", The eighth international conference of Iranian aerospace society, February 2009

- 71 Mahmoud Mani, "An Experimental Analysis of the Flow over the Plunging Airfoil ", The eighth international conference of Iranian aerospace society, February 2009
- 72 Fariba Ajalli, Mahmoud Mani, "An Experimental Analysis of the Flow over a Plunging Airfoil in the Post Stall Region ", the 8th Iranian Aerospace Society conference, February 2009
- 73 Mahmoud Mani, "The visualization of the flow around a damaged airfoil using tufts ", The eighth international conference of Iranian aerospace society, February 2009
- 74 Fariba Ajalli, Mahmoud Mani, "Numerical investigation of repair effects on the aerodynamic characteristics of a circle damaged airfoil ", , January 2009
- 75 Hamed Sadeghi, Mahmoud Mani, "Effect of amplitude and mean angle of attack on wake of an oscillating airfoil ", , September 2008
- 76 Bahareh Yahyavi, Mahmoud Mani, "The influence of Reynolds number on the aerodynamic characteristics of airfoils with triangular shaped through damage ", , August 2008
- 77 Mahmoud Mani, Fahimeh Goodarzi, S.M.H. Karimian, "Wake analysis of a plunging airfoil ", , June 2008
- 78 Fatemeh Abdi, Mahmoud Mani, "Unsteady surface pressure measurement on a pitching air foil ", , June 2008
- 79 Mahmoud Mani, Fariba Ajalli, Mohammadreza Soltani, "An experimental investigation of the reduced frequency effects into pressure coefficients of a plunging airfoil ", International conference of advanced fluid mechanics(AFM), May 2008
- 80 Bahareh Yahyavi, [en-name N/A], Mahmoud Mani, "Experimental investigation into the interference of the flow on a damaged airfoil with different shapes of damage ", The 11th conference of the fluid dynamics, May 2008
- 81 Fariba Ajalli, Mahmoud Mani, "Numerical analysis of the flow structure in a circular damage on an airfoil ", The 11th conference of the fluid dynamics, May 2008
- 82 Bahareh Yahyavi, [en-name N/A], Mahmoud Mani, "Experimental study of the aerodynamic performance of a damaged airfoil in different Reynolds number ", The seventh international conference of Iranian aerospace society, February 2008
- 83 Fariba Ajalli, [en-name N/A], Faezeh Rasy-Marzabady, Mahmoud Mani, "Numerical analysis of the repair on a circular shape damaged airfoil ", The seventh international conference of Iranian aerospace society, February 2008
- 84 Faezeh Rasy-Marzabady, Fariba Ajalli, Mahmoud Mani, [en-name N/A], "Numerical Aerodynamic Analysis of a Damaged Airfoil With Wall Effects ", , July 2007
- 85 Sadjad Ghasemlooy, Mahmoud Mani, Sahar Nouri, "Nonequilibrium Viscous Shock-Layer Technique for Hypersonic Blunt-Nosed Slender Bodies ", , July 2007
- 86 Fariba Ajalli, Mahmoud Mani, Mohammadreza Soltani, "An Experimental Investigation of Pressure Distribution Around a Heaving Airfoil ", , July 2007
- 87 Mohammad Reza Navabi, Mahmoud Mani, Mostafa Shamsi, "Numerical Solution of Bang-Bang Optimal Control Problems Using Spectral Direct Method ", , July 2007
- 88 Faezeh Rasy-Marzabady, Fariba Ajalli, Mahmoud Mani, [en-name N/A], "Numerical Aerodynamic Analysis of a Damaged airfoil ", , June 2007
- 89 Sadjad Ghasemlooy, Mahmoud Mani, [en-name N/A], "Viscous shock- layer solutions around hypersonic bodies for low and high altitude flow ", , May 2007
- 90 Soheila Abdolhipour, Mahmoud Mani, "Numerical investigation into the aerodynamic characteristics of wings with triangular shape damage in different span positions ", , May 2007
- 91 Faezeh Rasy-Marzabady, Fariba Ajalli, Mahmoud Mani, "Numerical analysis of the aerodynamics of a damaged airfoil with different shape of damage and boundary condition ", The sixth national conference of Iranian aerospace society, February 2007
- 92 Mahmoud Mani, Anvar Ahmadkhah, [en-name N/A], "Experimental and numerical analysis of the flow structure around the nose of a guided body ", The sixth national conference of Iranian aerospace society, February 2007

- 93 Fariba Ajalli, Mahmoud Mani, Mohammadreza Soltani, "Experimental study of pressure distribution around E361 airfoil in plunging motion ", The sixth national conference of Iranian aerospace society, February 2007
- 94 Mahmoud Mani, [en-name N/A], Anvar Ahmadkhah, "Validation of different codes used for aerodynamic analysis of bodies with square cross section at high Mach number ", The sixth national conference of Iranian aerospace society, February 2007
- 95 Mahdi Mortazavi, Hamed Khodabakhshian Naeini, Mahmoud Mani, "A method for definition of the aerodynamic coefficient of the wing using pressure distribution ", ISME 2006, May 2006
- 96 Mahmoud Mani, "a comparative investigation into aerodynamic performances of tow set finned bodies with circular and non circular cross sections ", , January 2006
- 97 Mahmoud Mani, "experimental investigation in to the aerodynamic characteristics of airfoils with triangular and star shaped through damage ", , June 2005
- 98 Mahmoud Mani, "Aerodynamics study of circular and non circular bodies ", The conference of mechanical engineers, March 2005
- 99 Mohammadreza Soltani, Mahmoud Mani, Elham Tolouei, "An experimental investigation of surface pressure variation over an oscillating airfoil ", , March 2005
- 100 Shadi Mahjoob, Mahmoud Mani, "The performance of semi emprical codes in aerodynamic estimation of circular and non circular bodies ", , December 2004
- 101 Shadi Mahjoob, Mahmoud Mani, "The performance of CFD methods in aerodynamic estimation of circular and non circular bodies ", , November 2004
- 102 Elham Tolouei, Mahmoud Mani, Mohammadreza Soltani, Masoud Boroomand, "Flow Analysis Around a pitching airfoil ", , August 2004
- 103 Mahmoud Mani, Mohammadreza Soltani, Elham Tolouei, "An experimental study of time lag in different tubes ", , February 2004
- 104 Mahmoud Mani, Arash Naghib Lahouti, [en-name N/A], "Experimental and numerical aerodynamic analysis of a launch vehicle with strap \_ on boosters . ", , February 2004
- 105 Kamran Raissi Charmcani, Mahmoud Mani, "General Aviations options for prevention of controled \_ flight \_ into \_ terrain ", , February 2004
- 106 Shadi Mahjoob, Mahmoud Mani, [en-name N/A], "Aerodynamic performance of Bodies with Diffrent cross sections ", , June 2002
- 107 Kamran Raissi Charmcani, Arash Naghib Lahouti, Mahmoud Mani, "An Automatic Data Acquisition System fot Flight Testing ", , December 2000
- 108 Mahmoud Mani, Mojtaba Dadkhah, "A Simple Code for Caluclation of Mixture ratio in Liquid Propellant Rocket Engine and Its Evaluation ", , June 2000
- 109 Mahmoud Mani, Afshin Khajehfard, "Aerodynamic Characteristics of Bodies with Square Elliptic and Circular Cross Section ", , June 2000

## دروس ارائه شده

#	عنوان درس	توصیف درس	دوره سرفصل درسی ها
1	Thermodynamics (I)	Teaching the thermodynamics and its basic laws	Spring 2022

2	Supersonic Aerodynamics	بررسی انواع جریان های مافوق صوت و طراحی نازل و بال در سرعت های مافوق صوت		Spring 2022
3	Intake Aerodynamics	آموزش عوامل موثر بر روی یک دهانه ورودی و اصول اولیه طراحی آن		Fall 2021
4	Experimental Aerodynamics	- Different methods of experiment in Aerodynamics, Types of wind tunnels, wind tunnel design, wind tunnel results reduction		Fall 2021
5	Supersonic Aerodynamics	بررسی انواع جریان های مافوق صوت و طراحی نازل و بال در سرعت های مافوق صوت		Spring 2021
6	Thermodynamics (I)	Teaching the thermodynamics and its basic laws		Spring 2021

### اختراعات / ثبت پتنت

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
داده های ثبت شده در پورتال						
1	ساخت سرعت سنج دما ثابت اتوماتیک جهت اندازه گیری سرعت لحظه ای هوا	82465	-	محمود مانی، عبدالعلی حقیری، نیوشا فلاح پور، دانشگاه صنعتی امیرکبیر	1392/12/10	1412/9/11