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h-index (Scopus):

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Citations (Scopus):

50

Supervised MSc Theses

#	Thesis title	Ву	Date
1	Design and Create a heat pipe for L.E.O. Satellite	Hamed Naseri & Sahar Noori	September 2021
2	Numerical Investigation Of The Effect Of Plasma Actuator On Improving The Oscillating Airfoil Performance Of Wind Turbine	Zeynab Zavarian & Sahar Noori	August 2021
3	Building INVELOX wind turbine model and study on physics of flow in that experimentally	Ghazaleh Asgari & Sahar Noori	April 2021
4	A Study on Self-Start Capability and Power Generation of A Helical Vertical Axis Wind Turbine	Mohamad Barzegar & Sahar Noori	February 2021
5	optimization of blowing controller performance on dynamics stall	Saman Kasmaiee & Sahar Noori	August 2020
6	optimization of airfoil performance in dynamics stall using suction controller	Siroos Kasmaiee & Sahar Noori	August 2020
7	Aerodynamic performance investigation on aerospace vehicle using waverider technology in hypersonic flows	Mohammadreza Varshavi & Sahar Noori	July 2020
8	Determining Thermal Response of Carbon-Carbon Nozzle In Solid Rocket Propellant	Seyyed Mohammad Amin Hashemi & Sahar Noori	January 2020
9	Non-equilibrium flow around the re-entry body solution, Considering the effects of radiation	Seyed Mohamad Saeed Anvar & Sahar Noori	September 2019
10	Inverse estimation of Thermal conductivity for anisotropic composite by numerical analysis	Sadegh Salavati Fard & Sahar Noori	September 2019

11	Experimental Study of The Inlet Flow Yaw Angle on The Performance of Horizontal Axis Wind Turbine	Fateme Sabet Sarvestani & Sahar Noori	February 2019
12	Optimization Airfoils For Transonic Compressors	Masoud Hajsadeghi & Sahar Noori	July 2018
13	Effect Of The Radiation Heat Transfer On Gas Turbine Combustion Chamber	Farhad Fasihi & Sahar Noori	February 2018
14	Numerical analysis of ablating of the insulation material on axisymmetric body including the effects of shape change	Saeed Rezaei Kalaj & Sahar Noori	February 2017
15	Modelling of radiation and its effects on the heat transfer of re entry vehicle	Hamide Mansuri & Sahar Noori	October 2016
16	Aerodynamic design and analysis of Blended Wing Body Transport	Mojgan Gharakhanlou & Sahar Noori	February 2016
17	:wing aerodynamic design of a civil jet transport	Mostafa Ebrahimi & Sahar Noori	October 2015
18	Investigation of effect of twist angle on aerodynamic performance on a rotating blade	Navid Ranjbaran & Sahar Noori	February 2015

Journal Papers

Portal Records

- Peyman Sepahvand, Faeze Kazemi Andalib, Sahar Noori, "Thermal efficiency enhancement of parabolic trough receivers using synthesized graphene oxide/SiO2 nanofluid and a rotary turbulator", International Journal of Sustainable Energy, October 2021 Vol. 1, Num. 1, Page 1-1, October 2021,
- 2 Sahar Noori, Nima Karimi, Hamidreza Tajik, Mohammadreza Varshavi, Ali Sepehri, "Development of a Nanosatellite Using Smartphones' Capabilities for the Fulfillment of Space Missions", Journal of Space Technology, July 2021 Vol. 11, Num. 1, Page 27-33, July 2021,
- 3 Alireza Akbari, Sahar Noori, Peyman Sepahvand, "A numerical investigation on the roll damping coefficient of a typical airship based on the computational fluid dynamics", Journal of Aerospace Science and Technology, July 2021 Vol. 14, Num. 1, Page 1-18, July 2021,
- 4 Sahar Noori, Mohammad Saleh Afshar, Nima Karimi, "Investigation of effect of changes in airship tail on aerodynamic configuration", Journal of Aerospace Science and Technology, July 2021 Vol. 14, Num. 1, Page 1-20, July 2021,
- 5 Gholamreza Abdizadeh, Sahar Noori, Hamidreza Tajik, Mehran Shahriari, Mohammad Saeedi, "Numerical investigation of Hybrid Wick Structure Effect on Thermal Performance of a Thin Flat Heat Pipe", , July 2021 Vol. 0, Num. 0, Page 1-23, July 2021,
- 6 Seyed Mohammad Hasheminasab Zavare, S.M.H. Karimian, Sahar Noori, Mohammad Saeedi, Chris Morton, "Experimental investigation of the wake dynamics for a NACA0012 airfoil with a cut-in serrated trailing-edge", PHYSICS OF FLUIDS, April 2021 Vol. 33, Num. 55122, Page 1-18, April 2021,
- 7 Vahid Tahmasbi, Sahar Noori, "Inverse identification of temperature-dependent thermal conductivity coefficients in an orthotropic charring composite", APPLIED THERMAL ENGINEERING, October 2020 Vol. 183, Num. 183, Page 0-0, October 2020,
- 8 Peyman Sepahvand, Gholamreza Abdizadeh, Sahar Noori, "Inverse design of an irregular-shaped radiant furnace using neural network and a modified hybrid optimization algorithm", Thermal Science and Engineering Progress, September 2020 Vol. 20, Num. 1, Page 1-12, September 2020,
- 9 Vahid Tahmasbi, Sahar Noori, "Multidimensional Numerical Analysis of the Thermal Behavior and Pyrolysis Gas Flow Inside an Orthotropic Porous Material", JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, May 2020 Vol. 142, Num. 6, Page 1-19, May 2020,

- 10 Hamide Mansuri, Sahar Noori, Sadjad Ghasemlooy, "Aerodynamic Analysis of a Re-entry Capsule with Consideration of Radiation Heat Transfer", Aerospace Knowledge and Technology Journal, May 2020 Vol. 9, Num. 1, Page 1-17, May 2020,
- 11 Vahid Tahmasbi, Sahar Noori, "Extending Inverse Heat Conduction Method to Estimate Flight Trajectory of a Reentry Capsule", AUT Journal of Mechanical Engineering, January 2020 Vol. 0, Num. 0, Page 0-0, January 2020,
- 12 Mohammad Sadegh Moemenbellah Fard, Sahar Noori, "Discrete ordinate and P1-based approximations of heater transparency on radiation-convection of four separate gases in factory setting", Building Simulation, December 2019 Vol. 13, Num. 0, Page 647-663, December 2019,
- 13 Vahid Tahmasbi, Sahar Noori, "Application of Levenberg-Marquardt Method for Estimation of the Thermophysical Properties and Thermal Boundary Conditions of Decomposing Materials", HEAT TRANSFER ENGINEERING, December 2018 Vol. 41, Num. 7, Page 20-45, December 2018,
- 14 Saeed Rezaei Kalaj, Sahar Noori, Sadjad Ghasemlooy, "Numerical solution of ablative insulation and reducing its temperature using heat sink concept", Aerospace Knowledge and Technology Journal, October 2018 Vol. 7, Num. 2, Page 133-144, October 2018,
- 15 Farhad Fasihi, Sahar Noori, Masoud Eidi Attar Zade, "Investigation of radiative heat transfer effect on the SM1 flame structure with steady flamelet method", , July 2018 Vol. 18, Num. 4, Page 793-802, July 2018,
- 16 Ava Shahrokhi, Sahar Noori, "Favorable plug shape of an aerospike nozzle in design, over and under expansion conditions", Journal of Computational and Applied Research in Mechanical Engineering(JC), April 2018 Vol. 8, Num. 1, Page 1-14, April 2018,
- 17 Vahid Khalafi, Hosein Shahverdi, Sahar Noori, "Nonlinear Aerothermoelastic Analysis of Functionally Graded Rectangular Plates Subjected to Hypersonic Airflow Loadings", AUT Journal of Mechanical Engineering, February 2018 Vol. 2, Num. 2, Page 217-232, February 2018,
- 18 Vahid Tahmasbi, Sahar Noori, "Thermal Analysis of Honeycomb Sandwich Panels as Substrate of Ablative Heat Shield", JOURNAL OF THERMOPHYSICS AND HEAT TRANSFER, April 2017 Vol. 0, Num. 0, Page 0-0, April 2017,
- 19 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, November 2016 Vol. 0, Num. 0, Page 0-0, November 2016,
- 20 Hosein Shahverdi, Vahid Khalafi, Sahar Noori, "Aerothermoelastic Analysis of Functionally Graded Plates Using Generalized Differential Quadrature Method", LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, February 2016 Vol. 13, Num. 0, Page 797-819, February 2016,
- 21 Seyed Amir Hosseini, Sahar Noori, "Laminar and Turbulent Aero Heating Predictions over Blunt Body in Hypersonic Flow", , May 2014 Vol. 7, Num. 1, Page 33-40, May 2014,
- 22 Sadjad Ghasemloo, Sahar Noori, "Approximate Viscous Shock Layer Analysis of Axisymmetric Bodies in Perfect Gas Hypersonic Flow", , May 2014 Vol. 7, Num. 1, Page 41-48, May 2014,
- 23 Hossein Molavi, Javad Rezapour, Sahar Noori, Sadjad Ghasemloo, Kourosh Amir Aslani, "Novel gradient-based methods for heat flux retrieval", INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, March 2013 Vol. 23, Num. 3, Page 499-519, March 2013,
- 24 Sahar Noori, Ava Shahrokhi, "Flow Field Characteristics of an Aerospike Nozzle Using Different Turbulence Models", Journal of Aerospace Science and Technology, August 2012 Vol. 8, Num. 2, Page 127-133, August 2012,
- 25 Hossein Molavi, Ali Hakkaki Fard, Mahdi Molavi, Ramin K. Rahmani, Anahita Ayasoufi, Sahar Noori, "Estimation of boundary conditions in the presence of unknown moving boundary caused by ablation", INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, February 2011 Vol. 54, Num. 0, Page 1030-1038, February 2011,
- 26 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, November 2008 Vol. 224, Num. 1, Page 719-729, November 2008,

Portal Records

- 1 Seyed Mohammad Hasheminasab Zavare, S.M.H. Karimian, Sahar Noori, "Effect of grid resolution on airfoil selfnoise prediction by large eddy simulation", 9th International Conference on Wind Turbine Noise, May 2021
- 2 Alireza Akbari, Sahar Noori, Peyman Sepahvand, "A numerical investigation on the roll damping coefficient of a typical airship based on the computational fluid dynamics", The 19th Conference of Iranian Aerospace Society, May 2021
- 3 Mohamad Barzegar, Ava Shahrokhi, Sahar Noori, "The numerical investigation on the power generation and self-starting of a flow driven helical-bladed darieus wind turbine", The 19th Conference of Iranian Aerospace Society, May 2021
- 4 Mehran Tadjfar, Siroos Kasmaiee, Sahar Noori, "Optimization of NACA 0012 Airfoil Performance in Dynamics Stall Using Continuous Suction Jet", ASME Fluids Engineering Division Summer Meeting FEDSM2020, July 2020
- Mehran Tadjfar, Saman Kasmaiee, Sahar Noori, "Continuous Blowing Jet Flow Control Optimization in Dynamic Stall of NACA0012 Airfoil ", ASME Fluids Engineering Division Summer Meeting FEDSM2020, July 2020
- 6 Amirhossein Omidvar, Sahar Noori, Gholamreza Abdizadeh, "Numerical Investigation of the Dynamic Stall at Low-Reynolds Number Flow over a S1210 Pitching Airfoil ", 18th International Conference of Iranian Aerospace Society, February 2020
- 7 Mohammadreza Varshavi, Sahar Noori, "Aerodynamic Performance Investigation into Waverider Geometries Having Different Number of Inlet Ramps at Hypersonic Flow ", 18th International Conference of Iranian Aerospace Society, February 2020
- 8 Zeinab Zavariyan, Sahar Noori, Gholamreza Abdizadeh, "Aerodynamic Optimization of Blunt Body Using Neural Network Coupling GA-SQP Combination Algorithm ", 18th International Conference of Iranian Aerospace Society, February 2020
- 9 Mojgan Gharakhanlou, Faegheh Pish, Sahar Noori, "Effects of Configuration of Solar Chimney Power Plant(SCpp) System on its Performance", international conference on renewable energies and distributed generation, June 2019
- 10 Rasool Kayvanpour, Sahar Noori, Vahid Tahmasbi, "Numerical simulation of carbon carbon ablative materials for analysis of thermal response to aerodynamic heating", aero2018, June 2018
- 11 Hossein Soltanieh Jahromi, Ghazale Kavari, Sahar Noori, S.M.H. Karimian, "Aerodynamic and economical design and analysis of horizontal axis wind turbine", 5th Iran Wind Energy Conference, October 2017
- 12 Saeed Rezaei Kalaj, Sahar Noori, Vahid Tahmasbi, "Effect of mach number on Ablation of graphite insulation: A Numerical solution", The 16th International Conference of Iranian Aerospace Society, February 2017
- 13 Farhad Fasihi, Sahar Noori, Masoud Eidi Attar Zade, "Study of jet velocity effect on SM! flame configuration with steady flamelet ", The 16th International Conference of Iranian Aerospace Society, February 2017
- 14 Hamide Mansuri, Sahar Noori, "modeling of radiation heat transfer for a reentry capsule", 2nd conference on modern achievement on aerospace, mechanic and related sceince, September 2016
- 15 Seyed Amir Hosseini, Sahar Noori, Mojtaba Sheida, "An approximate engineering method for aerodynamic heating ", 13th conference of iranian a erospace society, March 2014

Taught Courses

#	Course title	Description	Headlines	Date
1	Aerodynamic (II)	Aerodynamic 2	@	Fall 2021
2	Hypersonic Aerodynamics	Hypersonic Aerodynamics	8	Fall 2021

3	Radiation Heat Transfer	radiation	8	Spring 2021
4	Statics	static	2	Spring 2021
5	Aerodynamic (II)	Aerodynamic 2	@	Fall 2020