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Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	On Contract	Full Time	10

Papers in Conferences

1. Ali Reza Rahimi.Numerical study of thermal performance and production of alumina nanofluid entropy in thermal wells.Fifth International Conference on New Approaches to Energy Conservation.۱ - ۲۲ ۰۲ ۲۰۱۶، تهران.
2. Ali Reza Rahimi.Investigating the effect of mass flow and inlet air temperature To the solar flat collector on its thermal performance.۲nd International Conference and Exhibition on Solar Energy (ICESE) ۲۰۱۶، Tehran. ۰۵ ۰۶ ۲۶ .
3. Ali Reza Rahimi.Analysis of the effect of air layers on traditional roofs On the thermal and cooling losses of the building.First International Conference on Civil Engineering, Architecture and Urban Development.Shiraz. ۰۱ ۰۶ ۰۵ ۰۴ .
4. Ali Reza Rahimi.Optimizing energy consumption in hot air furnaces.۳rd International Conference on New Approaches to Energy Conservation.Tehran. ۰۱ ۰۲ ۰۱ ۱۸ .
5. Ali Reza Rahimi.Transformer design of heat recovery from ventilated air of broiler breeding hall and its economic analysis.۴th International Conference on New Approaches to Energy Conservation.Tehran. ۰۱ ۰۲ ۱۱ .
6. Ali Reza Rahimi.Analysis of the effect of thermosyphon force on Thermal performance of a flat solar collector.۲nd International Conference and Exhibition on Solar Energy (ICESE) ۲۰۱۶، Tehran. ۰۱ ۰۲ ۰۱ .
7. Ali Reza Rahimi.Investigating the parameters affecting the selection of the construction site of the simultaneous production power plant (cchp).The Second Specialized Congress of Urban Management of Iran.Sari. ۰۱ ۱۹ .
8. Ali Reza Rahimi, Davood Abrishami Mghaddam.Economic analysis of insulation of a sample broiler breeding hall.۳rd International Conference on New Approaches to Energy Conservation.۱ - ۰۳ ۲۰۱۴، تهران.
9. Ali Reza Rahimi.Numerical study of the effect of aluminum oxide nanoparticles and diamond nanoparticles on the thermal performance of Syltherm λ base fluid.The first international conference on new research achievements in mechanics, mechatronics and biomechanics.Tehran. ۰۱ ۰۶ ۰۴ ۲۶ .
10. Mohammad Saeed Saeedinik ,Thermophysical investigation of natural convection in power

سی و دومین کنفرانس بین المللی انجمن مهندسی, ۰۷ ۰۵ ۲۰۲۴, مکانیک ایران, ۱ - اراک

۱۱. Mohammad Saeed Saeedinik ,Lattice Boltzmann simulation of thermal investigation of natural convection in power transformer with nano-oil, سی و دومین کنفرانس بین المللی انجمن مهندسی مکانیک ایران, ۰۷ ۰۵ ۲۰۲۴, مکانیک ایران, ۱ - اراک

۱۲. Mohammad Saeed Saeedinik ,Lattice Boltzmann simulation of velocity investigation of natural convection in power transformer with nano-oil, سی و دومین کنفرانس بین المللی انجمن مهندسی مکانیک ایران, ۰۷ ۰۵ ۲۰۲۴, مکانیک ایران, ۱ - اراک

۱۳. Mohammad Saeed Saeedinik ,Flow Investigation of natural convection in power transformer with nano-oil using lattice Boltzmann method, سی و دومین کنفرانس بین المللی انجمن مهندسی مکانیک ایران, ۰۷ ۰۵ ۲۰۲۴, مکانیک ایران, ۱ - اراک

Papers in Journals

زهرا حجاری زاده, آراس خسروی, سید اسد حسینی, علیرضا کربلایی, پتانسیل سنجی مناطق کویری, ۱, بیابانی و سواحل مکران به منظور کسب انرژی از خورشید با استفاده از منطق فازی و مدل تحلیل سلسه مراتبی, نشریه تحقیقات کاربردی علوم جغرافیایی, مجلد ۲۱, شماره صفحات ۲۹/۱۱/۲۹

۲. Ali Reza Rahimi, Ali Dehghan Saei, Abass Kasaeipoor, Peyam Hoshmand, Emad Hasani Malekshah,Lattice Boltzmann simulation for hydrothermal analysis of free convection within dumbbell-shaped heat exchanger, CHINESE J PHYS, ۰۶/۰۴/۲۰, شماره صفحات ۵۶, مجلد ۵۷, ISI.

۳. Ali Reza Rahimi, Ali Reza Karbalaei Dorrei, Mohammad Reza Karblaei Dorrei.Optimal slope and azimuth analysis for installing photovoltaic panel based on solar radiation received in Kashan city, Journal of Applied Research in Geographical Sciences, ۰۲/۲۱/۵۹, شماره صفحات ۵۹, مجلد ۱۸, ISI.

۴. Zahra Hejazizadeh, Nasrin Bazmi, Ali Reza Rahimi, Meysam Toolabinejad, Atefeh Besak.Spatial-temporality modeling of albedo in the scope of Iran, Journal of Applied Research in Geographical Sciences, ۱۱/۲۲/۹۶, شماره صفحات ۱۷, مجلد ۱۷, ISI.

علیرضا رحیمی, نادر ناظمی, جمال الدین هنرور, تفاوت شهر و روستا از نظر صرفهジョی در مصرف انرژی برق, نشریه تحقیقات کاربردی علوم جغرافیایی, مجلد ۱۰/۱۱/۴۸, شماره صفحات ۶۱, ISI.

۶. Xiaolong Shi, Pouriya Jaryani, Ali Amiri, Ali Reza Rahimi, Emad Hasani Malekshah, Heat transfer and nanofluid flow of free convection in a quarter cylinder channel considering nanoparticle shape effect, POWDER TECHNOL, Vol. 346, pp. 160, 2019 03 15, ISI-Listed.

۷. Ali Reza Rahimi, Pouria Azarikhah, Abbas Kasaeipoor, Emad Hasani Malekshah, Lioua Kolsi, Lattice Boltzmann simulation of free convection's hydrothermal aspects in a finned/multi-pipe cavity filled with CuO-water nanofluid, INT J NUMER METHOD H, Vol. 29, pp. 1058, 2019 03 04, ISI-Listed.

۸. Alireza Rahimi, Ali Dehghan Saei, Abbas Kasaeipoor, Emad Hasani Malekshah, A comprehensive review on natural convection flow and heat transfer: The most practical geometries for engineering applications, INT J NUMER METHOD H, Vol. 29, pp. 834, 2019 03 04, ISI-Listed.

۹. Alireza Rahimi, Aravindhan Surendar, Aygul Z. Ibatova, Abbas Kasaeipoor, Emad Hasani Malekshah, Fluid flow and heat transfer of a stratified system during natural convection – influence of chamfered corners, INT J NUMER METHOD H, Vol. 29, pp. 470, 2019 02 04, ISI.

۱۰. علیرضا رحیمی, پوریا آذرخواه, عباس کساپی پور, عmad حسنی ملکشاه, لایوآ کلسی, Lattice Boltzmann simulation of free convection's hydrothermal aspects in a finned/multi-pipe cavity filled with CuO-water nanofluid, INT J NUMER METHOD H, Vol. 29, pp. 1058, 2018 12 16, JCR.

۱۱. Alireza Rahimi , Ali Dehghan Saei , Abbas Kasaeipoor , Payam Hooshmand , Emad Hasani Malekshah, Lattice Boltzmann simulation for hydrothermal analysis of free convection within dumbbell-shaped heat exchanger, CHINESE J PHYS, Vol. 56, pp. 2865, 2018 12 06, ISI.

۱۲. Ali reza Rahimi, Aravindhan Surendar, Abbas Kasaeipoor, Peyame Hooshmand, Emade Hasani Malehshah, Lattice Boltzmann simulation of nanofluid flow and heat transfer in a hollow multi-pipe heat exchanger considering nanoparticles' shapes, POWDER TECHNOL, Vol. 339, pp. 974, 2018 11 14, ISI-Listed.

13. Ali Reza Rahimi, Aravindhan Surendar, Abbas Kasaeipoor, Payame Hososhmand, Emad Hasani Malekshah,Lattice Boltzmann simulation of nanofluid flow and heat transfer in a hollow multi-pipe heat exchanger considering nanoparticles' shapes,POWDER TECHNOL,Vol. 339,pp. 974,2018 09 11,ISI.
14. Ali Reza Rahimi, Ali Dehghan Saei, Ali Reza Baghban, Abbas Kasaeipoor, Hojjat Ashrafi, Emad Hasani Malekshah,Double-MRT lattice Boltzmann simulation of natural convection in a C-shaped heat exchanger,POWDER TECHNOL,Vol. 336,pp. 465,2018 08 11,ISI.
15. Ali Reza Rahimi, Ali Amiri, Abbas Kasaeipoor, Emad Hasani Malekshah,Heat transfer enhancement using Al2O3-EG/W(60/40 vol%) in multiple-pipe heat exchanger,J MOL LIQ,Vol. 261,pp. 319,2018 07 11,ISI.
16. Ali Reza Rahimi, Mohammad Rahjoo, Seyyd Saeid Hashmi, Mohmmad Mohammad Reza Sarlak, Masood Hasani Malekshah, Emad Hasani Malekshah,Combination of Dual-MRT lattice Boltzmann method with experimental observations during free convection in enclosure filled with MWCNT-MgO/Water hybrid nanofluid,Thermal Science and Engineering Progress,Vol. 5,pp. 422,2018 06 11,SCOPUS.
17. Masood Hasani Malekshah, Emad hasani Malekshah, Mahmood Salari, Ali Reza Rahimi, Mohammad Rahjoo, Abbas Kasaeipoor,Thermal analysis of a cell of lead-acid battery subjected by non-uniform heat flux during natural convection, Thermal Science and Engineering Progress,Vol. 5,pp. 317,2018 06 11,SCOPUS.
18. Ali Reza Rahimi, Abbas Kasaeipoor, Emad Hasani Malekshah, Abteen Shadabfar,Heat transfer intensification using CuO-water nanofluid in a finned capsule-shaped heat exchanger using lattice Boltzmann method,CHEM ENG PROCESS,Vol. 127,pp. 17,2018 05 11,ISI.
19. Ali Reza Rahimi, Abbas Kasaeipoor, Emad Hasani Malekshah, Lioua Kolsi, Masih Palizian,Lattice Boltzmann numerical method for natural convection and entropy generation in cavity with refrigerant rigid body filled with DWCNTs-water nanofluid-experimental thermo-physical properties, Thermal Science and Engineering Progress,Vol. 5,pp. 372,2018 03 11,SCOPUS.
20. Ali Reza Rahimi, Mohammad Sepehr, Milad Jan Ghorban Laricheh, Abbas Kasaeipoor, Emad Hasani Malekshah, Lioua Kolsi,Entropy generation analysis and heatline visualization of free convection in nanofluid (KKL model-based)-filled cavity including internal active fins using lattice Boltzmann method,Computers and Mathematics with Applications,Vol. 75,pp. 1814,2017 12 11,ISI.
21. Ali Reza Rahimi, Abbas Kasaeipoor, Ali Amiri, Mohammad Hossein Dovranehgard, Emad Hasani Malekshah, Lioua Kolsi,Lattice Boltzmann method based on Dual-MRT model for three-dimensional natural convection and entropy generation in CuO–water nanofluid filled cuboid enclosure included with discrete active walls,Computers and Mathematics with Applications,Vol. 75,pp. 1795,2017 12 11,ISI.
22. Ali Reza Rahimi, Abbas Kasaeipoor, Emad Hasani Malekshah, Lioua Kolsi,Lattice Boltzmann simulation of free convection in nanofluid filled cavity with partially active walls - Entropy generation and heatline visualization,INT J NUMER METHOD H,Vol. 242,pp. 580,2017 09 11,ISI.
23. Ali Reza Rahimi, Abbas Kasaeipoor, Emad Hasani Malekshah, Lioua Kolsi,experimental and numerical analysis Study on heat transfer performance of three-dimensional natural convection in an enclosure filled with DWCNTs-water nanofluid,POWDER TECHNOL,Vol. 322,pp. 340,2017 09 11,ISI.
24. Ali Reza Rahimi, Abbas Kasaeipoor,Emission characteristics of oxy-fuel combustion of crude oil in a fluidized bed combustor,PETROL SCI TECHNOL,Vol. 35,pp. 827,2017 08 11,ISI.
25. Ali Reza Rahimi, Abbas Kasaeipoor, Emad Hasani Malekshah,Lattice Boltzmann simulation of natural convection and entropy generation in cavities filled with nanofluid in existence of internal rigid bodies-experimental thermo-physical properties,J MOL LIQ,Vol. 35,pp. 1,2017 07 11,ISI.
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27. Ali Reza Rahimi, Abbas Kasaeipoor, Emad Hasani Malekshah, Ali Amiri,Natural convection

analysis employing entropy generation and heat line visualization in a hollow L-shaped cavity filled with Nano fluid using lattice Boltzmann method- Experimental thermo-physical properties,PHYSICA E,0000 00 11,ISI.

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