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**EDUCATION**

**Ph.D In Civil Engineering \ Geotechnics**Khajeh Nasir Toosi University null-yesr-char-2012
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**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1152** | **19** | **148** | **49** | **2** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

**1.** Optimization of the placement and area allocation for the installation of the phase change material on swimming pool roofs under diverse climatic conditions. Jahangir Mohammad Hossein, Lashgari Sina, Kheirani Sarina (2023)., Journal of Energy Storage, 77(-), 109915.

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**3.** Performance comparison of pelamis, wavestar, langley, oscillating water column and Aqua Buoy wave energy converters supplying islands energy demands. Jahangir Mohammad Hossein, Alimohamadi Reza, Montazeri Mohammad (2023)., Energy Reports, 9(-), 5111-5124.

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**11.** Evaluation of thermal performance and energy efficiency of a Trombe wall improved with dual phase change materials. Askari Minoo, Jahangir Mohammad Hossein (2023)., ENERGY, 284(-), 128587.

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**17.** Assessment of flooding in future periods using the flow of the watershed (Case study: west and south of the Urmia watershed). Jahangir Mohammad Hossein, Asghari kaleshani Fatemeh, Ebrahimpour Rahil (2023)., Natural Hazards Research, 3(2), 257-270.

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**21.** Developing an IoT-based electrochromic windows for smart buildings. Khatibi Ali, Jahangir Mohammad Hossein, Razi Astaraei Fatemeh (2023)., Advances in Building Energy Research, 17(2), 1-30.

**22.** Selecting suitable wave energy technology for sustainable development, an MCDM approach. Nasrollahi Sadaf, Kazemi Aliyeh, Jahangir Mohammad Hossein, Aryaee Sara (2023)., RENEWABLE ENERGY, 1(202).

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**33.** Optimizing the size of the hybrid power and heat generation system during COVID-19 crisis (case study: Italy). Jahangir Mohammad Hossein, Zavvari Sattar, Parvin Maryam (2022)., ELECTRIC POWER SYSTEMS RESEARCH, 211(-), 108610.

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**35.** Techno-economic analysis and thermal–electrical demand optimization of a sustainable residential building using machine learning approach. Moosavi Seyed Soroush, Jahangir Mohammad Hossein, Kasaeian Alibakhsh (2022)., JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, -(-).

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**37.** Performance evaluation of solar chimneys in providing the thermal comfort range of the building using phase change materials. Nateghi SeyedKeivan, Jahangir Mohammad Hossein (2022)., Cleaner Materials, 5(-), 100120.

**38.** Improving the power outputs of oscillating water column wave energy converters by optimizing the geometrical parameters. Jahangir Mohammad Hossein, Sharafi Mohammad (2022)., Advanced Technologies in Water Efficiency, 1(3), 14-27.

**39.** Drought Monitoring and Zoning in Fars Province Based on the Moving Average of Climatic Parameters by Two Hydrological Indicators RDI and AI. Jahangir Mohammad Hossein, Ebrahimpour Rahil (2022)., Iranian Journal of Watershed Management Science and Engineering, 16(57), 32-40.

**40.** Energy and comfort evaluation of a novel hybrid control algorithm for smart electrochromic windows: A simulation study. Khatibi Ali, Jahangir Mohammad Hossein, Razi Astaraei Fatemeh (2022)., SOLAR ENERGY, 241(-), 671-685.

**41.** Optimization of ground source heat pump system along with energy storage tank armed with phase change materials to improve the microalgae open culture system performance. Jahangir Mohammad Hossein, Labbafi Sina (2022)., Journal of Energy Storage, 51(-), 104436.

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**43.** Performance Comparison of Three Wave Energy Converters Types to Supply Electricity Required by a Village in Hybrid with Other Renewable Sources (A Case Study). Jahangir Mohammad Hossein, Farajpour Hamid, Shahabi Nejad Ali (2022)., Journal of Marine Engineering, 18(35), 13-25.

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**49.** Qualitative evaluation of surface water resources using satellite images in Seymareh dam reservoir. Jahangir Mohammad Hossein, Moshayedi Zoha (2022)., Iranian Journal of Ecohydrology, 8(4), 925-939.

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**52.** A comparative drought assessment in Gilan, Iran using Pálfai drought index, de Martonne aridity index, and Pinna combinative index. Jahangir Mohammad Hossein, Danehkar Shaghayegh (2022)., Arabian Journal of Geosciences, 15(1).

**53.** Exergy and Exergoeconomic Assessment and Multi-Objective Optimization of a Renewable Assisted CCHP System. Jahangir Mohammad Hossein, Zendehnam Arman, Alimoradiyan Hamed (2021)., Journal of Energy Management and Technology (JEMT), 6(2), 98-110.

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