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گروه آموزشی فیزیک عمومی

پایان نامه های کارشناسی ارشد

#	عنوان پایان نامه	توسط	تاریخ دفاع
1	چرخه طول عمر آب شیرین کن های هسته ای در ایران	غزاله خیام باشی و مریم فانی	آذر 1399
2	بهینه سازی مولد بخار عمودی با استفاده از روش کمینه سازی تولید آنتروپی و الگوریتم ژنتیک	محمدهادی سالاری و مریم فانی	مهر 1398






مقالات ژورنال



داده های ثبت شده در پورتال

- 1 Nima Norouzi, Maryam Fani, Saeed Talebi, "Green tax as a path to greener economy: A game theory approach on energy and final goods in Iran", *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*, Vol. 156, Num. 111968, Page 1-10, December 2021,
- 2 Nima Norouzi, Zahra Bashash Jafarabadi, Maryam Fani, "Quantitative Study and Simulation of Carbon Dioxide Disposal and Storage in Oil Reservoirs", *Biointerface Research in Applied Chemistry-OPEN*, Vol. 12, Num. 1, Page 1174-1184, April 2021,
- 3 Nima Norouzi, Saeed Talebi, Maryam Fani, "خواجه پور", "Exergy and exergoeconomic analysis of hydrogen and power cogeneration using an HTR plant", *NUCLEAR ENGINEERING AND TECHNOLOGY*, Vol. 53, Num. 8, Page 1-8, March 2021,
- 4 Nima Norouzi, Morteza Hosseinpour, Saeed Talebi, Maryam Fani, "A 4E analysis of renewable formic acid synthesis from the electrochemical reduction of carbon dioxide and water: studying impacts of the anolyte material on the performance of the process", *JOURNAL OF CLEANER PRODUCTION*, Vol. 293, Num. 1, Page 1-15, January 2021,

- 5 Nima Norouzi, Maryam Fani, Saeed Talebi, "Exergetic design and analysis of a nuclear SMR reactor tetrageneration(combined water, heat, power, and chemicals) with designed PCM energy storage and a CO2 gas turbine inner cycle", *NUCLEAR ENGINEERING AND TECHNOLOGY*, Vol. 53, Num. 2, Page 677-687, July 2020,
- 6 Nima Norouzi, Maryam Fani, Saeed Talebi, "Exergetic design and analysis of a nuclear SMR reactor tetrageneration (combined water, heat, power, and chemicals) with designed PCM energy storage and a CO2 gas turbine inner cycle", *NUCLEAR ENGINEERING AND TECHNOLOGY*, Vol. 53, Num. 2, Page 677-687, July 2020,
- 7 Nima Norouzi, Saeed Talebi, Maryam Fani, Hossein Khajehpour, "Heavy Oil Thermal Conversion and Refinement to the Green Petroleum: a Petrochemical Refinement Plant Using the Sustainable Formic Acid for the Process", *Biointerface Research in Applied Chemistry-OPEN*, Vol. 10, Num. 5, Page 6088-60100, May 2020,
- 8 Nima Norouzi, Maryam Fani, "Modeling of a Geothermal Cycle Condenser in a Combined Diesel Power Cycle: Case Study of 42 MW Diesel Power Plant in Moghan and Ardabil", *Iranian Journal of Energy*, Vol. 22, Num. 3, Page 73-94, December 2019,
- 9 Nima Norouzi, Maryam Fani, Zahra Karami Ziarani, "The fall of oil Age:A scenario planning approach over the last peak oil of human history by 2040", *JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING*, Vol. 188, Num. 1, Page 1-15, December 2019,
- 10 Amirhassansadreddini, Muhammad Ali Ashjari, Maryam Fani, Aminmohammadi, "Thermodynamic analysis of a new cascade ORC and transcritical CO2 cycle to recover energy from medium temperature heat source and liquefied natural gas", *ENERGY CONVERSION AND MANAGEMENT*, Vol. 167, Num. 1, Page 9-20, July 2018,
- 11 Amirhassansadreddini, Maryam Fani, Muhammadaliashjari Aghdam, Amin Mohammadi, "Exergy analysis and optimization of a CCHP system composed of compressed air energy storage system and ORC cycle", *ENERGY CONVERSION AND MANAGEMENT*, Vol. 157, Num. 1, Page 111-122, February 2018,
- 12 Maryam Fani, Amirhassansadreddin, "Solar assisted CCHP system, energetic, economic and environmental analysis, case study: Educational office buildings", *ENERGY AND BUILDINGS*, Vol. 136, Num. 136, Page 100-109, December 2016,
- 13 Maryam Fani, Aliasghar Mozafari, Bijan Farhanieh, "Co-ordination of Process Integration and Exergoeconomic Methodology for Analysis and Optimization of a Pulp and Paper Mill", *Scientia Iranica*, Vol. 16, Num. 4, Page 301-312, April 2009,

دروس ارائه شده

#	عنوان درس	توصیف درس	دوره درسی	سرفصل ها
1	Fundamentals of Energy System Analysis	Understanding and analysis of complex energy systems, identifying important technical and economic parameters affecting energy sector development	Fall 2021	
2	Pinch technology	Introduction to Process Integration Approach in Designing Processes, Principles of Pinch Analysis and its Application	Fall 2021	
3	Energy Systems Analysis	Understanding and analysis of complex energy systems, identifying important technical and economic parameters affecting energy sector development	Fall 2021	
4	Modeling of Energy Systems	Introduction to basic concepts of planning, planning methods and methodology of developing energy models as energy analysis tools	Spring 2021	
5	Energy Systems Analysis	Understanding and analysis of complex energy systems, identifying important technical and economic parameters affecting energy sector development	Fall 2020	
6	Thermohydraulics Principles	Introduction to thermohydraulic systems, fluid mechanics and general heat transfer from the engineering point of view.	Fall 2020	

7	Pinch technology	Introduction to Process Integration Approach in Designing Processes, Principles of Pinch Analysis and its Application		Fall 2020
8	Fundamentals of Energy System Analysis	Understanding and analysis of complex energy systems, identifying important technical and economic parameters affecting energy sector development		Fall 2020