

**СПИСОК НАУЧНЫХ ТРУДОВ
ЕРДЕШ ЕЛНАР БАКЫТХАНУЛЫ**

№ п/п	Название трудов	Рукопись или печатные	Наименование издательства, журнала (№, год.), № авторского свидетельства	Кол-во печатных листов или стр.	Фамилия соавторов работы
1.	Numerical simulation on solar collector and cascade heat pump combi water heating systems in Kazakhstan climates	Печ.	Elsevier, Renewable Energy (Vol. 145, pp. 1222-1234, 2020) https://doi.org/10.1016/j.renene.2019.06.102 (WoS: Квартиль – Q1, Impact Factor – 8.001, Scopus: Процентиль – 88, SJR – 1.825)	13 стр.	Abdulina Z., Aliuly A., Belyayev, Ye., Mohanraj M., Kaltayev A.
2.	Experimental and Theoretical Investigations of a Ground Source Heat Pump System for Water and Space Heating Applications in Kazakhstan	Печ.	MDPI, Energies (Vol. 15, №22, pp. 1-25, 2022) https://doi.org/10.3390/en15228336 (WoS: Квартиль – Q3, Impact Factor – 3.2, Scopus: Процентиль – 83, SJR – 0.632)	25 стр.	Amanzholov, T., Aliuly, A., Seitov, A., Toleukhanov, A., Murugesan, M., Botella, O., Feidt, M., Wang, H.S., Tsoy, A., Belyayev, Ye.
3.	Thermal analysis of a compression heat pump-assisted solar still for Caspian regions of Kazakhstan	Печ.	Springer, Journal of Thermal Analysis and Calorimetry (Vol. 149, №19, pp. 11269-11291, 2024) https://doi.org/10.1007/s10973-024-13446-4 (WoS: Квартиль – Q2, Impact Factor – 3.1, Scopus: Процентиль – 85, SJR – 0.551)	22 стр.	Baimbetov D., Karlina, Ye., Syrlybekkyzy S., Toleukhanov A., Mohanraj M., Belyayev, Ye.
4.	Numerical Simulation Study of Thermal Performance in Hot Water Storage Tanks with External and Internal Heat Exchangers	Печ.	MDPI, Energies (Vol. 17, №22, pp.1-18, 2024) https://doi.org/10.3390/en17225623 (WoS: Квартиль – Q3, Impact Factor – 3.2, Scopus: Процентиль – 85, SJR – 0.713)	18 стр.	Karlina, Ye., Toleukhanov, A., Belyayev, Ye., Wang, H.S., Botella, O.
5.	Simulation-Based Mathematical Modeling of Borehole Heat Exchanger Thermal Performance For Ground Source Heat Pumps	Печ.	Springer, Journal of Mathematical Sciences (Vol. 291, №2, pp. 323-335, 2025) https://doi.org/10.1007/s10958-025-07811-3 (Scopus: Процентиль – 16, SJR – 0.280)	13 стр.	Toleukhanov, A., Belyayev, Ye., Botella, O., Amanzholov, T.
6.	Energy and Exergy Performance Study of Ground Source Heat Pump in Continental Climate Conditions	Печ.	AIP Conference Proceedings (Vol. 3126, №1, pp. 1-8, 2024) https://doi.org/10.1063/5.0200363 (Scopus: Процентиль – 10, SJR – 0.153, Conference Paper)	8 стр.	Belyayev, Ye., Toleukhanov, A., Seitov, A., Amanzholov, T., Wang, H.S.
7.	Air-to-Water Cascade Heat Pump Thermal Performance Modelling for Continental Climate Regions	Печ.	ISTE OpenScience, Entropie Thermodynamique (Vol. 3, №1, pp. 1-16, 2022) https://doi.org/10.21494/ISTE.OP.2022.0836	16 стр.	Toleukhanov, A., Mohanraj, M., Wang, H.S., Botella, O., Feidt, M., Belyayev, Ye.

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