

# CITATION REPORT

List of articles citing

Modeling solar still production using local weather data and artificial neural networks

DOI: 10.1016/j.renene.2011.09.018  
Renewable Energy, 2012, 40, 71-79.

**Source:** <https://exaly.com/paper-pdf/54575351/citation-report.pdf>

**Version:** 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
56	Mass transfer correlation for evaporation&condensation thermal process in the range of 70℃-95℃. <i>Renewable Energy</i> , <b>2013</b> , 53, 174-179	8.1	4
55	. <b>2013</b> ,		0
54	A new method of mapping relations from data based on artificial neural network. <i>International Journal of Systems Assurance Engineering and Management</i> , <b>2014</b> , 5, 544-553	1.3	3
53	Quantifying influence of weather indices on PM( <sub>2.5</sub> ) based on relation map. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2014</b> , 28, 1323-1331	3.5	6
52	Vector machine techniques for modeling of seismic liquefaction data. <i>Ain Shams Engineering Journal</i> , <b>2014</b> , 5, 355-360	4.4	12
51	Comparative investigation of artificial neural network learning algorithms for modeling solar still production. <i>Journal of Water Reuse and Desalination</i> , <b>2015</b> , 5, 480-493	2.6	20
50	Predictive model for assessing and optimizing solar still performance using artificial neural network under hyper arid environment. <i>Solar Energy</i> , <b>2015</b> , 118, 41-58	6.8	45
49	A Thermal Performance Evaluation of a Medium-Temperature Point-focus Solar Collector Using Local Weather Data and Artificial Neural Networks. <i>International Journal of Green Energy</i> , <b>2015</b> , 12, 493-505	3.05	10
48	Modeling and analysis the productivity of solar desalination units with phase change materials. <i>Renewable Energy</i> , <b>2016</b> , 95, 225-232	8.1	49
47	Comparison of ANN, MVR, and SWR models for computing thermal efficiency of a solar still. <i>International Journal of Green Energy</i> , <b>2016</b> , 13, 1016-1025	3	13
46	Neural network approach for predicting solar still production using agricultural drainage as a feedwater source. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 28646-28660		15
45	Assessing the performance of solar desalination system to approach near-ZLD under hyper arid environment. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 12019-12036		18
44	MLP and MLR models for instantaneous thermal efficiency prediction of solar still under hyper-arid environment. <i>Computers and Electronics in Agriculture</i> , <b>2016</b> , 122, 146-155	6.5	30
43	Glass cover inclination angle effect on the radiation shape factor within conventional solar still. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 17722-17730		7
42	Using artificial neural networks to predict container flows between the major ports of Asia. <i>International Journal of Production Research</i> , <b>2017</b> , 55, 5001-5010	7.8	25
41	Land allocation based on spatial analysis using artificial neural networks and GIS in Ramsar, Iran. <i>Modeling Earth Systems and Environment</i> , <b>2017</b> , 3, 1515-1527	3.2	2
40	Analysis of different combinations of meteorological parameters in predicting the horizontal global solar radiation with ANN approach: A case study. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 91, 248-258	16.2	49

39	Membership function comparative investigation on productivity forecasting of solar still using adaptive neuro-fuzzy inference system approach. <i>Environmental Progress and Sustainable Energy</i> , <b>2018</b> , 37, 249-259	2.5	6
38	Productivity modelling of a developed inclined stepped solar still system based on actual performance and using a cascaded forward neural network model. <i>Journal of Cleaner Production</i> , <b>2018</b> , 170, 147-159	10.3	58
37	Modeling of solar energy systems using artificial neural network: A comprehensive review. <i>Solar Energy</i> , <b>2019</b> , 180, 622-639	6.8	240
36	Stock Composite Prediction using Nonlinear Autoregression with Exogenous Input (NARX). <b>2019</b> ,		2
35	Modelling conventional and solar earth still by using the LM algorithm-based artificial neural network. <i>International Journal of Ambient Energy</i> , <b>2020</b> , 1-8	2	6
34	Experimental and theoretical evaluation of a conventional solar still augmented with jute covered plastic balls. <i>Journal of Energy Storage</i> , <b>2020</b> , 32, 101874	7.8	11
33	An enhanced productivity prediction model of active solar still using artificial neural network and Harris Hawks optimizer. <i>Applied Thermal Engineering</i> , <b>2020</b> , 170, 115020	5.8	106
32	First principles versus artificial neural network modelling of a solar desalination system with experimental validation. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , <b>2020</b> , 26, 453-480 <sup>1</sup>		6
31	Predicting of proactive environmental management for unhairing wastewater treatment in Tunisia using neural network learning algorithms. <i>Management of Environmental Quality</i> , <b>2020</b> , 31, 931-944	3.6	1
30	A proper model to predict energy efficiency, exergy efficiency, and water productivity of a solar still via optimized neural network. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 123232	10.3	21
29	An estimation of the distillate output from a CSS based on multivariable regression analysis. <i>International Journal of Ambient Energy</i> , <b>2020</b> , 1-6	2	1
28	Using neural network optimized by imperialist competition method and genetic algorithm to predict water productivity of a nanofluid-based solar still equipped with thermoelectric modules. <i>Powder Technology</i> , <b>2020</b> , 366, 571-586	5.2	34
27	Experimental and theoretical evaluation of thermophysical properties for moist air within solar still by using different algorithms of artificial neural network. <i>Journal of Energy Storage</i> , <b>2020</b> , 30, 101408	7.8	12
26	Utilization of LSTM neural network for water production forecasting of a stepped solar still with a corrugated absorber plate. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 148, 273-282	5.5	60
25	Prediction of tubular solar still performance by machine learning integrated with Bayesian optimization algorithm. <i>Applied Thermal Engineering</i> , <b>2021</b> , 184, 116233	5.8	30
24	Prediction of Daily Photovoltaic Energy Production Using Weather Data and Regression. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , <b>2021</b> , 143,	2.3	2
23	Productivity Modeling Enhancement of a Solar Desalination Unit with Nanofluids Using Machine Learning Algorithms Integrated with Bayesian Optimization. <i>Energy Technology</i> , <b>2021</b> , 9, 2100189	3.5	3
22	Utilization of ensemble random vector functional link network for freshwater prediction of active solar stills with nanoparticles. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101405	4.7	9

21	ANN Modeling and experimental study of the effect of various factors on solar desalination. <b>2021</b> , 70, 41-57		1
20	Artificial intelligence application in a renewable energy-driven desalination system: A critical review. <i>Energy and AI</i> , <b>2022</b> , 7, 100123	12.6	3
19	Low-cost bilayered structure for improving the performance of solar stills: Performance/cost analysis and water yield prediction using machine learning. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 49, 101783	4.7	2
18	Productivity forecasting of solar distiller integrated with evacuated tubes and external condenser using artificial intelligence model and moth-flame optimizer. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101671	5.6	21
17	Time Series Signal Forecasting Using Artificial Neural Networks: An Application on ECG Signal. <i>SSRN Electronic Journal</i> ,	1	
16	Thermal Desalination Systems: From Traditionality to Modernity and Development.		0
15	Revealing prediction of perched cum off-centered wick solar still performance using network based on optimizer algorithm. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 161, 188-200	5.5	1
14	A review on state-of-the-art applications of data-driven methods in desalination systems. <i>Desalination</i> , <b>2022</b> , 532, 115744	10.3	1
13	Experimental Evaluation and Development of Artificial Neural Network Model for the Solar Stills Augmented with the Permanent Magnet and Sandbag. <i>Journal of Advanced Thermal Science Research</i> , 9, 9-23	0	0
12	Time series signal forecasting using artificial neural networks: An application on ECG signal. <i>Biomedical Signal Processing and Control</i> , <b>2022</b> , 76, 103705	4.9	1
11	Machine Learning Techniques for Renewable Energy Forecasting: A Comprehensive Review. <i>Green Energy and Technology</i> , <b>2022</b> , 3-39	0.6	
10	Performance prediction of solar still with a high-frequency ultrasound waves atomizer using random vector functional link/heap-based optimizer. <i>Advances in Engineering Software</i> , <b>2022</b> , 170, 103142	2.6	0
9	Predicting the yield of stepped corrugated solar distiller using kernel-based machine learning models. <i>Applied Thermal Engineering</i> , <b>2022</b> , 213, 118759	5.8	2
8	Deep neural network prediction of modified stepped double-slope solar still with a cotton wick and cobalt oxide nanofluid. <i>Environmental Science and Pollution Research</i> ,	5.1	0
7	Applications of machine learning techniques in performance evaluation of solar desalination systems [A concise review. <b>2022</b> , 144, 399-408		1
6	Artificial neural network and desalination systems. <b>2022</b> , 159-187		0
5	Augmentation and prediction of wick solar still productivity using artificial neural network integrated with tree-based algorithm.		0
4	Statistical Model for the Sizing of a Prototype Solar Still Applicable to Remote Islands. <b>2022</b> , 14, 3510		0

3	Modelling of Solar Still Production Using Operational and Environmental Parameters with Artificial Neural Network for a Tropical Savanna Climate. <b>2022</b> , 58, 187-197	o
2	Discovering a robust machine learning model for predicting the productivity of a solar-driven humidification-dehumidification system. <b>2023</b> , 228, 120485	o
1	Design and simulation of a novel solar photovoltaic system assisted single-slope solar still distillation unit.	o