

Ali Mostafaeipour

List of Publications by Year in descending order

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Version: 2024-02-01

129
papers

5,270
citations

53660

45
h-index

106150

65
g-index

135
all docs

135
docs citations

135
times ranked

3574
citing authors

#	ARTICLE	IF	CITATIONS
1	Blockchain Technology Application Challenges in Renewable Energy Supply Chain Management. Environmental Science and Pollution Research, 2023, 30, 72041-72058.	2.7	39
2	A new model for the use of renewable electricity to reduce carbon dioxide emissions. Energy, 2022, 238, 121602.	4.5	87
3	A conceptual new model for use of solar water heaters in hot and dry regions. Sustainable Energy Technologies and Assessments, 2022, 49, 101710.	1.7	10
4	Investigating performance of a new design of forced convection solar dryer. Sustainable Energy Technologies and Assessments, 2022, 50, 101863.	1.7	10
5	Predicting effect of floating photovoltaic power plant on water loss through surface evaporation for wastewater pond using artificial intelligence: A case study. Sustainable Energy Technologies and Assessments, 2022, 50, 101849.	1.7	13
6	DYNAMIC SIMULATION AND RANKING OF USING RESIDENTIAL-SCALE SOLAR WATER HEATER IN IRAN. Journal of Environmental Engineering and Landscape Management, 2022, 30, 30-42.	0.4	8
7	A Thorough Economic Evaluation by Implementing Solar/Wind Energies for Hydrogen Production: A Case Study. Sustainability, 2022, 14, 1177.	1.6	22
8	Prioritization of solar electricity and hydrogen co-production stations considering PV losses and different types of solar trackers: A TOPSIS approach. Renewable Energy, 2022, 186, 889-903.	4.3	24
9	Impact of economic and government investment in residential solar power plant on energy system sustainability. Sustainable Energy Technologies and Assessments, 2022, 52, 102050.	1.7	5
10	Determination of optimal renewable energy growth strategies using <scp>SWOT</scp> analysis, hybrid <scp>MCDM</scp> methods, and game theory: A case study. International Journal of Energy Research, 2022, 46, 6766-6789.	2.2	38
11	A Critical Review of Short-Term Water Demand Forecasting Toolsâ€”What Method Should I Use?. Sustainability, 2022, 14, 5412.	1.6	21
12	Novel Based Ensemble Machine Learning Classifiers for Detecting Breast Cancer. Mathematical Problems in Engineering, 2022, 2022, 1-16.	0.6	4
13	An economic investigation of the wind-hydrogen projects: A case study. International Journal of Hydrogen Energy, 2022, 47, 25880-25898.	3.8	12
14	Technical, environmental and ranking analysis of using solar heating: A case study in South Africa. Sustainable Energy Technologies and Assessments, 2022, 52, 102299.	1.7	6
15	Investigating the performance of Hadoop and Spark platforms on machine learning algorithms. Journal of Supercomputing, 2021, 77, 1273-1300.	2.4	50
16	Economic assessment of hydrogen production from sea water using wind energy: A case study. Wind Engineering, 2021, 45, 1002-1019.	1.1	6
17	Techno-enviro assessment and ranking of Turkey for use of home-scale solar water heaters. Sustainable Energy Technologies and Assessments, 2021, 43, 100948.	1.7	17
18	A novel integrated approach for ranking solar energy location planning: a case study. Journal of Engineering, Design and Technology, 2021, 19, 698-720.	1.1	16

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19	Current trends and prospects of tidal energy technology. <i>Environment, Development and Sustainability</i> , 2021, 23, 8179-8194.	2.7	95
20	Performance of different hybrid algorithms for prediction of wind speed behavior. <i>Wind Engineering</i> , 2021, 45, 245-256.	1.1	4
21	A Novel Policy to Optimize Energy Consumption for Dairy Product Warehouses: A Case Study. <i>Sustainability</i> , 2021, 13, 2445.	1.6	2
22	Social sustainability of treatment technologies for bioenergy generation from the municipal solid waste using best worst method. <i>Journal of Cleaner Production</i> , 2021, 288, 125592.	4.6	30
23	A new model for developing sustainable green industries: A case study of Mashhad, Iran. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, 025902.	0.8	0
24	Ranking Locations for Hydrogen Production Using Hybrid Wind-Solar: A Case Study. <i>Sustainability</i> , 2021, 13, 4524.	1.6	35
25	Effect of Emission Penalty and Annual Interest Rate on Cogeneration of Electricity, Heat, and Hydrogen in Karachi: 3E Assessment and Sensitivity Analysis. <i>Journal of Engineering (United States)</i> , 2021, 2021, 1-16.	0.5	11
26	Forecasting Rainfed Agricultural Production in Arid and Semi-Arid Lands Using Learning Machine Methods: A Case Study. <i>Sustainability</i> , 2021, 13, 4607.	1.6	15
27	Techno-Economic Investigation of Using Solar Energy for Heating Swimming Pools in Buildings and Producing Hydrogen: A Case Study. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	7
28	A thorough investigation for development of hydrogen projects from wind energy: A case study. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18795-18815.	3.8	52
29	Performance optimization of a new flash-binary geothermal cycle for power/hydrogen production with zeotropic fluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 1633-1650.	2.0	27
30	Technical, economic, carbon footprint assessment, and prioritizing stations for hydrogen production using wind energy: A case study. <i>Energy Strategy Reviews</i> , 2021, 36, 100684.	3.3	62
31	Simulation of Wellbore Drilling Energy Saving of Nanofluids Using an Experimental Taylorâ€œCouette Flow System. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 2963-2979.	1.2	7
32	Identifying challenges and barriers for development of solar energy by using fuzzy best-worst method: A case study. <i>Energy</i> , 2021, 226, 120355.	4.5	45
33	Techno-economic analysis and energy performance of a geothermal earth-to-air heat exchanger (EAHE) system in residential buildings: A case study. <i>Energy Science and Engineering</i> , 2021, 9, 1807-1825.	1.9	8
34	Use of a Hybrid Windâ€œSolarâ€œDieselâ€œBattery Energy System to Power Buildings in Remote Areas: A Case Study. <i>Sustainability</i> , 2021, 13, 8764.	1.6	40
35	Introducing a Rheology Model for Non-Newtonian Drilling Fluids. <i>Geofluids</i> , 2021, 2021, 1-14.	0.3	4
36	A thorough analysis of renewable hydrogen projects development in Uzbekistan using MCDM methods. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 31174-31190.	3.8	37

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37	Investigation of implementing solar energy for groundwater desalination in arid and dry regions: A case study. <i>Desalination</i> , 2021, 512, 115039.	4.0	14
38	Location assessment for producing biodiesel fuel from <i>Jatropha Curcas</i> in Iran. <i>Energy</i> , 2021, 236, 121446.	4.5	16
39	A strategic model to identify the factors and risks of solar cooker manufacturing and use: A case study of Razavi Khorasan, Iran. <i>Energy Strategy Reviews</i> , 2021, 33, 100587.	3.3	6
40	Determine the Land-Use Land-Cover Changes, Urban Expansion and Their Driving Factors for Sustainable Development in Gazipur Bangladesh. <i>Atmosphere</i> , 2021, 12, 1353.	1.0	22
41	Implementing MCDM Techniques for Ranking Renewable Energy Projects under Fuzzy Environment: A Case Study. <i>Sustainability</i> , 2021, 13, 12858.	1.6	22
42	An Effective Evaluation on Fault Detection in Solar Panels. <i>Energies</i> , 2021, 14, 7770.	1.6	37
43	A practical framework for supplier selection decisions with an application to the automotive sector. <i>International Journal of Production Research</i> , 2020, 58, 2997-3014.	4.9	29
44	Sensitivity analysis of criteria to optimize wind farm localizing: A case study. <i>Wind Engineering</i> , 2020, 44, 294-312.	1.1	7
45	Feasibility analysis of a new tree-shaped wind turbine for urban application: A case study. <i>Energy and Environment</i> , 2020, 31, 1230-1256.	2.7	30
46	Prioritization of potential locations for harnessing wind energy to produce hydrogen in Afghanistan. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33169-33184.	3.8	58
47	Machine Learning for Prediction of Energy in Wheat Production. <i>Agriculture (Switzerland)</i> , 2020, 10, 517.	1.4	22
48	Sensitivity analysis of using solar cells in regional electricity power supply of off-grid power systems in Iran. <i>Journal of Engineering, Design and Technology</i> , 2020, 18, 1849-1866.	1.1	15
49	A new hybrid decision-making framework to rank power supply systems for government organizations: A real case study. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 41, 100779.	1.7	14
50	Wind and solar energy utilization for seawater desalination and hydrogen production in the coastal areas of southern Iran. <i>Journal of Engineering, Design and Technology</i> , 2020, 18, 1951-1969.	1.1	12
51	A thorough investigation of solar-powered hydrogen potential and accurate location planning for big cities: A case study. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31599-31611.	3.8	30
52	Statistical evaluation of using the new generation of wind turbines in South Africa. <i>Energy Reports</i> , 2020, 6, 2816-2827.	2.5	61
53	A Thorough Analysis of Potential Geothermal Project Locations in Afghanistan. <i>Sustainability</i> , 2020, 12, 8397.	1.6	29
54	A new semi-empirical wind turbine capacity factor for maximizing annual electricity and hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15888-15903.	3.8	31

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55	Wind speed prediction using a hybrid model of the multi-layer perceptron and whale optimization algorithm. <i>Energy Reports</i> , 2020, 6, 1147-1159.	2.5	112
56	Ranking locations for producing hydrogen using geothermal energy in Afghanistan. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15924-15940.	3.8	61
57	Location planning for production of bioethanol fuel from agricultural residues in the south of Caspian Sea. <i>Environmental Development</i> , 2020, 33, 100500.	1.8	14
58	Using fuzzy MCDM technique to find the best location in Qatar for exploiting wind and solar energy to generate hydrogen and electricity. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13862-13875.	3.8	98
59	Ranking Potential Renewable Energy Systems to Power On-Farm Fertilizer Production. <i>Sustainability</i> , 2020, 12, 7850.	1.6	9
60	Prediction of wind speed using a new Grey-extreme learning machine hybrid algorithm: A case study. <i>Energy and Environment</i> , 2019, 30, 44-62.	2.7	21
61	Energy supply for water electrolysis systems using wind and solar energy to produce hydrogen: a case study of Iran. <i>Frontiers in Energy</i> , 2019, 13, 539-550.	1.2	39
62	Techno-econo-environmental optimal operation of grid-wind-solar electricity generation with hydrogen storage system for domestic scale, case study in Chad. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28613-28628.	3.8	65
63	Investigation of solar energy utilization for production of hydrogen and sustainable chemical fertilizer: A case study. <i>International Journal of Energy Research</i> , 2019, 43, 8314.	2.2	13
64	A new strategy for wind turbine selection using optimization based on rated wind speed. <i>Energy Procedia</i> , 2019, 160, 582-589.	1.8	21
65	Forecasting the wind power generation using Box-Jenkins and hybrid artificial intelligence. <i>International Journal of Energy Sector Management</i> , 2019, 13, 1038-1062.	1.2	33
66	Energy efficiency for cooling buildings in hot and dry regions using sol-air temperature and ground temperature effects. <i>Journal of Engineering, Design and Technology</i> , 2019, 17, 613-628.	1.1	14
67	Evaluation of hydrogen production by wind energy for agricultural and industrial sectors. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7983-7995.	3.8	58
68	Techno-economic assessment of using wind power system for tribal region of Gachsaran in Iran. <i>Journal of Engineering, Design and Technology</i> , 2019, 18, 293-307.	1.1	7
69	Investigation of accurate location planning for wind farm establishment: a case study. <i>Journal of Engineering, Design and Technology</i> , 2019, 18, 821-845.	1.1	5
70	Feasibility study on the provision of electricity and hydrogen for domestic purposes in the south of Iran using grid-connected renewable energy plants. <i>Energy Strategy Reviews</i> , 2019, 23, 23-32.	3.3	76
71	Assessment of solar-wind power plants in Afghanistan: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 99, 169-190.	8.2	81
72	Investigation of off-grid photovoltaic systems for a reverse osmosis desalination system: A case study. <i>Desalination</i> , 2019, 454, 91-103.	4.0	54

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73	Feasibility of using wind turbines for renewable hydrogen production in Firuzkuh, Iran. <i>Frontiers in Energy</i> , 2019, 13, 494-505.	1.2	14
74	Investigation of wind farm location planning by considering budget constraints. <i>International Journal of Sustainable Energy</i> , 2018, 37, 799-817.	1.3	31
75	Hydrogen production using wind energy from sea water: A case study on Southern and Northern coasts of Iran. <i>Energy and Environment</i> , 2018, 29, 333-357.	2.7	31
76	Investigation of the optimal location design of a hybrid wind-solar plant: A case study. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 100-114.	3.8	74
77	Feasibility of a Wind-Hydrogen Energy System Based on Wind Characteristics for Chabahar, Iran. <i>Energy Harvesting and Systems</i> , 2018, 4, 143-163.	1.7	4
78	A mathematical model for simultaneous optimization of renewable electricity price and construction of new wind power plants (case study: Kermanshah). <i>International Journal of Energy and Environmental Engineering</i> , 2018, 9, 71-80.	1.3	12
79	Investigation of the socio-economic feasibility of installing wind turbines to produce hydrogen: Case study. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 23135-23147.	3.8	44
80	Rotating Machinery in Renewable Energy Systems. <i>International Journal of Rotating Machinery</i> , 2018, 2018, 1-2.	0.8	0
81	Optimized fixed tilt for incident solar energy maximization on flat surfaces located in the Algerian Big South. <i>Sustainable Energy Technologies and Assessments</i> , 2018, 28, 96-102.	1.7	44
82	Prediction of air travel demand using a hybrid artificial neural network (ANN) with Bat and Firefly algorithms: a case study. <i>Journal of Supercomputing</i> , 2018, 74, 5461-5484.	2.4	37
83	A comprehensive evaluation of hydrogen production from photovoltaic power station. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 415-423.	8.2	68
84	A recursive approach for lot sentencing problem in the presence of inspection errors. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2017, 46, 2376-2392.	0.6	1
85	Implementing fuzzy rank function model for a new supply chain risk management. <i>Journal of Supercomputing</i> , 2017, 73, 3586-3602.	2.4	12
86	Prioritizing of wind farm locations for hydrogen production: A case study. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9500-9510.	3.8	77
87	Exploring economy of small communities and households by investing on harnessing wind energy in the province of Sistan-Baluchestan in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 835-847.	8.2	16
88	Techno-economic feasibility of a photovoltaic-wind power plant construction for electric and hydrogen production: A case study. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 78, 113-123.	8.2	131
89	Investigating the factors on using the solar water heaters for dry arid regions: A case study. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 78, 157-166.	8.2	14
90	Determination of rated wind speed for maximum annual energy production of variable speed wind turbines. <i>Applied Energy</i> , 2017, 205, 781-789.	5.1	75

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91	A novel enhanced exergy method in analyzing HVAC system using soft computing approaches: A case study on mushroom growing hall. <i>Journal of Building Engineering</i> , 2017, 13, 309-318.	1.6	25
92	Energy saving evaluation of passive systems for residential buildings in hot and dry regions. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 432-446.	8.2	75
93	Worldwide wind energy status and the characteristics of wind energy in Iran, case study: the province of Sistan and Baluchestan. <i>International Journal of Sustainable Energy</i> , 2017, 36, 103-123.	1.3	17
94	Extreme learning machine for prediction of heat load in district heating systems. <i>Energy and Buildings</i> , 2016, 122, 222-227.	3.1	105
95	Evaluating the suitability of wind speed probability distribution models: A case of study of east and southeast parts of Iran. <i>Energy Conversion and Management</i> , 2016, 119, 101-108.	4.4	103
96	Sensitivity analysis of different wind speed distribution models with actual and truncated wind data: A case study for Kerman, Iran. <i>Energy Conversion and Management</i> , 2016, 120, 51-61.	4.4	68
97	Evaluation of wind power generation potential using a three hybrid approach for households in Ardebil Province, Iran. <i>Energy Conversion and Management</i> , 2016, 118, 295-305.	4.4	49
98	Feasibility of geothermal power assisted hydrogen production in Iran. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 18351-18369.	3.8	48
99	Analysis of hydrogen production from wind energy in the southeast of Iran. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15158-15171.	3.8	67
100	Evaluating the wind energy potential for hydrogen production: A case study. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 6200-6210.	3.8	89
101	Application and economic viability of wind turbine installation in Lutak, Iran. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	8
102	Evaluation of installing photovoltaic plants using a hybrid approach for Khuzestan province, Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 60-74.	8.2	46
103	A hybrid computational intelligence method for predicting dew point temperature. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	19
104	Prediction of heat load in district heating systems by Support Vector Machine with Firefly searching algorithm. <i>Energy</i> , 2016, 95, 266-273.	4.5	103
105	Identifying the effective factors on implementing the solar dryers for Yazd province, Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 57, 765-775.	8.2	48
106	Assessing different parameters estimation methods of Weibull distribution to compute wind power density. <i>Energy Conversion and Management</i> , 2016, 108, 322-335.	4.4	229
107	Development of an Optimal Design for Conforming Run Length Sampling Methods in the Presence of Inspection Errors. <i>Journal of Testing and Evaluation</i> , 2016, 44, 1885-1891.	0.4	1
108	Implementing Fuzzy Logic and AHP into the EFQM model for performance improvement: A case study. <i>Applied Soft Computing Journal</i> , 2015, 36, 165-176.	4.1	35

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109	A comparative evaluation for identifying the suitability of extreme learning machine to predict horizontal global solar radiation. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 1031-1042.	8.2	112
110	Feasibility of installing wind turbines for electricity generation in Jarandagh, Iran. , 2015, , .		1
111	Electricity Generation and Energy Cost Estimation of Large-Scale Wind Turbines in Jarandagh, Iran. <i>Journal of Energy</i> , 2014, 2014, 1-8.	1.4	35
112	Effect of Short-Term and Long-Term Persistence on Identification of Temporal Trends. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 617-625.	0.8	114
113	Assessment of solar and wind energy potentials for three free economic and industrial zones of Iran. <i>Energy</i> , 2014, 67, 117-128.	4.5	58
114	An analysis of wind energy potential and economic evaluation in Zahedan, Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 641-650.	8.2	147
115	A new linguistic based algorithm for creating manufacturing cell. <i>International Journal on Interactive Design and Manufacturing</i> , 2014, 8, 133-138.	1.3	0
116	Economic evaluation for cooling and ventilation of medicine storage warehouses utilizing wind catchers. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 38, 12-19.	8.2	35
117	Application of factor analysis in defining drought prone areas in Lake Urmia Basin. <i>Natural Hazards</i> , 2013, 69, 267-277.	1.6	9
118	Economic evaluation of small wind turbine utilization in Kerman, Iran. <i>Energy Conversion and Management</i> , 2013, 73, 214-225.	4.4	64
119	Economic feasibility of developing wind turbines in Aligoodarz, Iran. <i>Energy Conversion and Management</i> , 2013, 76, 645-653.	4.4	73
120	Evaluation of wind energy potential as a power generation source for electricity production in Binalood, Iran. <i>Renewable Energy</i> , 2013, 52, 222-229.	4.3	84
121	Using different methods for comprehensive study of wind turbine utilization in Zarrineh, Iran. <i>Energy Conversion and Management</i> , 2013, 65, 463-470.	4.4	109
122	Historical background, productivity and technical issues of qanats. <i>Water History</i> , 2010, 2, 61-80.	0.5	54
123	Feasibility study of harnessing wind energy for turbine installation in province of Yazd in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 93-111.	8.2	110
124	Productivity and development issues of global wind turbine industry. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1048-1058.	8.2	47
125	Feasibility study of offshore wind turbine installation in Iran compared with the world. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1722-1743.	8.2	70
126	Wind Turbine Productivity and Development in Iran. , 2010, , .		21

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127	Renewable energy issues and electricity production in Middle East compared with Iran. Renewable and Sustainable Energy Reviews, 2009, 13, 1641-1645.	8.2	76
128	Harnessing wind energy at Manjil area located in north of Iran. Renewable and Sustainable Energy Reviews, 2008, 12, 1758-1766.	8.2	63
129	Optimization of capacity factors based on rated wind speeds of wind turbines. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-22.	1.2	8