

Younes Noorollahi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1802198/publications.pdf>

Version: 2024-02-01

87
papers

4,157
citations

101384

36
h-index

118652

62
g-index

90
all docs

90
docs citations

90
times ranked

3392
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable development using renewable energy technology. <i>Renewable Energy</i> , 2020, 146, 2430-2437.	4.3	351
2	Energy hub: From a model to a concept – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 1512-1527.	8.2	331
3	Optimal management of energy hubs and smart energy hubs – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 89, 33-50.	8.2	218
4	Multi-criteria decision support system for wind farm site selection using GIS. <i>Sustainable Energy Technologies and Assessments</i> , 2016, 13, 38-50.	1.7	198
5	Optimal operation scheduling of wind power integrated with compressed air energy storage (CAES). <i>Renewable Energy</i> , 2013, 51, 53-59.	4.3	164
6	Using artificial neural networks for temporal and spatial wind speed forecasting in Iran. <i>Energy Conversion and Management</i> , 2016, 115, 17-25.	4.4	139
7	The effects of ground heat exchanger parameters changes on geothermal heat pump performance – A review. <i>Applied Thermal Engineering</i> , 2018, 129, 1645-1658.	3.0	118
8	Biogas production potential from livestock manure in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 748-754.	8.2	112
9	Multi-criteria decision support system for wind farm site selection and sensitivity analysis: Case study of Alborz Province, Iran. <i>Energy Strategy Reviews</i> , 2020, 29, 100478.	3.3	104
10	GIS integration model for geothermal exploration and well siting. <i>Geothermics</i> , 2008, 37, 107-131.	1.5	90
11	Developing the geothermal resources map of Iran. <i>Geothermics</i> , 2010, 39, 140-151.	1.5	86
12	Solar assisted ground source heat pump systems – A review. <i>Applied Thermal Engineering</i> , 2019, 163, 114351.	3.0	83
13	A framework for GIS-based site selection and technical potential evaluation of PV solar farm using Fuzzy-Boolean logic and AHP multi-criteria decision-making approach. <i>Renewable Energy</i> , 2022, 186, 89-104.	4.3	83
14	Numerical simulation of power production from abandoned oil wells in Ahwaz oil field in southern Iran. <i>Geothermics</i> , 2015, 55, 16-23.	1.5	79
15	GA/AHP-based optimal design of a hybrid CCHP system considering economy, energy and emission. <i>Energy and Buildings</i> , 2017, 138, 309-317.	3.1	78
16	Theoretical and technical potential evaluation of solar power generation in Iran. <i>Renewable Energy</i> , 2019, 138, 1250-1261.	4.3	78
17	Designing and optimization of solar assisted ground source heat pump system to supply heating, cooling and hot water demands. <i>Geothermics</i> , 2019, 82, 212-231.	1.5	76
18	Numerical simulation of a novel spiral type ground heat exchanger for enhancing heat transfer performance of geothermal heat pump. <i>Energy Conversion and Management</i> , 2018, 168, 296-307.	4.4	75

#	ARTICLE	IF	CITATIONS
19	Review of two decade geothermal energy development in Iran, benefits, challenges, and future policy. <i>Geothermics</i> , 2019, 77, 257-266.	1.5	74
20	GIS model for geothermal resource exploration in Akita and Iwate prefectures, northern Japan. <i>Computers and Geosciences</i> , 2007, 33, 1008-1021.	2.0	70
21	The effect of employing nanofluid on reducing the bore length of a vertical ground-source heat pump. <i>Energy Conversion and Management</i> , 2016, 123, 581-591.	4.4	63
22	Potential survey of photovoltaic power plants using Analytical Hierarchy Process (AHP) method in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 1198-1206.	8.2	61
23	Multi criteria site selection model for wind-compressed air energy storage power plants in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 579-590.	8.2	59
24	Modeling the electrical energy consumption profile for residential buildings in Iran. <i>Sustainable Cities and Society</i> , 2018, 41, 481-489.	5.1	58
25	Geothermal energy resources and development in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 1127-1132.	8.2	53
26	Modeling for diversifying electricity supply by maximizing renewable energy use in Ebino city southern Japan. <i>Sustainable Cities and Society</i> , 2017, 34, 371-384.	5.1	52
27	Biodiesel production from Norouzak (<i>Salvia lerifolia</i>) seeds as an indigenous source of bio fuel in Iran using ultrasound. <i>Energy Conversion and Management</i> , 2015, 99, 132-140.	4.4	50
28	Numerical modeling and economic analysis of a ground source heat pump for supplying energy for a greenhouse in Alborz province, Iran. <i>Journal of Cleaner Production</i> , 2016, 131, 145-154.	4.6	50
29	Thermo-economic modeling and GIS-based spatial data analysis of ground source heat pump systems for regional shallow geothermal mapping. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 648-660.	8.2	47
30	Experimental investigation of a multi-generation energy system for a nearly zero-energy park: A solution toward sustainable future. <i>Energy Conversion and Management</i> , 2019, 200, 112107.	4.4	47
31	Geothermal sea water desalination system (GSWDS) using abandoned oil/gas wells. <i>Geothermics</i> , 2017, 67, 66-75.	1.5	46
32	Spatial analysis and multi-criteria decision making for regional-scale geothermal favorability map. <i>Geothermics</i> , 2014, 50, 189-201.	1.5	44
33	Sustainable Energy System Planning for an Industrial Zone by Integrating Electric Vehicles as Energy Storage. <i>Journal of Energy Storage</i> , 2020, 30, 101553.	3.9	44
34	Toward comprehensive zero energy building definitions: a literature review and recommendations. <i>International Journal of Sustainable Energy</i> , 2021, 40, 120-148.	1.3	38
35	Solar energy for sustainable heating and cooling energy system planning in arid climates. <i>Energy</i> , 2021, 218, 119421.	4.5	38
36	Numerical simulation for obtaining optimal impeller's blade parameters of a centrifugal pump for high-viscosity fluid pumping. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 34, 16-26.	1.7	36

#	ARTICLE	IF	CITATIONS
37	Fuzzy-based scheduling of wind integrated multi-energy systems under multiple uncertainties. Sustainable Energy Technologies and Assessments, 2020, 37, 100602.	1.7	36
38	Production capacity estimation by reservoir numerical simulation of northwest (NW) Sabalan geothermal field, Iran. Energy, 2011, 36, 4552-4569.	4.5	35
39	Cascading uses of geothermal energy for a sustainable energy supply for Meshkinshahr City, Northwest, Iran. Geothermics, 2019, 79, 152-163.	1.5	32
40	Landfill Site Selection Using a Multi-Criteria Decision-Making Method: A Case Study of the Salafcheghan Special Economic Zone, Iran. Sustainability, 2018, 10, 1107.	1.6	29
41	Spatial data analysis for exploration of regional scale geothermal resources. Journal of Volcanology and Geothermal Research, 2013, 266, 69-83.	0.8	25
42	A three-dimensional numerical model to simulate Iranian NW Sabalan geothermal system. Geothermics, 2019, 77, 42-61.	1.5	25
43	Energy transition in petroleum rich nations: Case study of Iran. Smart Energy, 2021, 3, 100026.	2.6	25
44	Simulation of Power Production from Dry Geothermal Well Using Down-hole Heat Exchanger in Sabalan Field, Northwest Iran. Natural Resources Research, 2016, 25, 227-239.	2.2	23
45	Hybrid fuzzy decision making approach for wind-powered pumped storage power plant site selection: A case study. Sustainable Energy Technologies and Assessments, 2020, 42, 100838.	1.7	23
46	Future energy planning to maximize renewable energy share for the south Caspian Sea climate. Renewable Energy, 2021, 175, 660-675.	4.3	23
47	A scenario-based approach for optimal operation of energy hub under different schemes and structures. Energy, 2022, 251, 123740.	4.5	18
48	Solar-assisted geothermal power generation hybrid system from abandoned oil/gas wells. IET Renewable Power Generation, 2017, 11, 771-777.	1.7	17
49	Solar-based multi-generation hybrid energy system; simulation and experimental study. International Journal of Ambient Energy, 2022, 43, 2963-2975.	1.4	17
50	The synergy of renewable energies for sustainable energy systems development in oil-rich nations; case of Iran. Renewable Energy, 2021, 173, 561-568.	4.3	17
51	A GIS Based Integration Method for Geothermal Resources Exploration and Site Selection. Energy Exploration and Exploitation, 2015, 33, 243-257.	1.1	15
52	GIS-based spatially integrated bioenergy resources assessment in Kurdistan Province-Northwest Iran. Sustainable Energy Technologies and Assessments, 2017, 23, 11-20.	1.7	15
53	Decrease in CO ₂ emission per capita as a result of the reduction in power grid losses in Iran. International Journal of Ambient Energy, 2020, 41, 8-18.	1.4	15
54	A novel design of switched boost action based multiport converter using dsPIC controller for renewable energy applications. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 75-90.	1.2	15

#	ARTICLE	IF	CITATIONS
55	Replacing natural gas with solar and wind energy to supply the thermal demand of buildings in Iran: A simulation approach. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 44, 101047.	1.7	14
56	Application of nature inspired optimization algorithms in optimum positioning of pump-as-turbines in water distribution networks. <i>Neural Computing and Applications</i> , 2019, 31, 7489-7499.	3.2	13
57	Landslide modelling and susceptibility mapping using AHP and fuzzy approaches. <i>International Journal of Hydrology</i> , 2018, 2, .	0.2	13
58	Ground source heat pump status and supportive energy policies in Japan. <i>Energy Procedia</i> , 2019, 158, 3614-3619.	1.8	12
59	A detailed investigation and performance optimization of a photovoltaic panel integrated with a reflecting mirror. <i>Applied Thermal Engineering</i> , 2019, 160, 114074.	3.0	11
60	Numerical analysis of a small ducted wind turbine for performance improvement. <i>International Journal of Sustainable Energy</i> , 2020, 39, 290-307.	1.3	11
61	Stochastic Operation of a Solar-Powered Smart Home: Capturing Thermal Load Uncertainties. <i>Sustainability</i> , 2020, 12, 5089.	1.6	11
62	Investigation of single-storey residential green roof contribution to buildings energy demand reduction in different climate zones of Iran. <i>International Journal of Green Energy</i> , 2021, 18, 100-110.	2.1	11
63	Development of an updated geothermal reservoir conceptual model for NW Sabalan geothermal field, Iran. <i>Geothermal Energy</i> , 2017, 5, .	0.9	10
64	Coupled Thermo-Poro-Elastic modeling of near wellbore zone with stress dependent porous material properties. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 52, 559-574.	2.1	9
65	An unsaturated three-dimensional model of fluid flow and heat transfer in NW Sabalan geothermal reservoir. <i>Geothermics</i> , 2021, 89, 101966.	1.5	9
66	A Spatial-Based Integration Model for Regional Scale Solar Energy Technical Potential. <i>Sustainability</i> , 2020, 12, 1890.	1.6	8
67	Curie Point Depth Estimations for Northwest Iran Through Spectral Analysis of Aeromagnetic Data for Geothermal Resources Exploration. <i>Natural Resources Research</i> , 2020, 29, 2307-2332.	2.2	7
68	Investigating the Effect of Soil Type and Moisture on the Performance of a Ground Source Heat Pump System Used for a Greenhouse in Iran. <i>Journal of Thermal Science and Engineering Applications</i> , 2019, 11, .	0.8	6
69	In pursuit of a replacement for conventional high-density polyethylene tubes in ground source heat pumps from their composites – A comparative study. <i>Geothermics</i> , 2020, 87, 101819.	1.5	6
70	Impacts of Energy Storage Technologies and Renewable Energy Sources on Energy Hub Systems. , 2018, , 23-52.		5
71	Modelling of heat supply for natural gas pressure reduction station using geothermal energy. <i>International Journal of Sustainable Energy</i> , 2019, 38, 773-793.	1.3	5
72	Optimization of Power and Levelized Cost for Shrouded Small Wind Turbine. <i>Inventions</i> , 2020, 5, 59.	1.3	5

#	ARTICLE	IF	CITATIONS
73	Developing a system dynamics approach for CNG vehicles for low-carbon urban transport: a case study. <i>International Journal of Low-Carbon Technologies</i> , 2021, 16, 577-591.	1.2	5
74	Sustainable energy system modelling with a high renewable energy penetration rate for rich oil regions. <i>International Journal of Sustainable Energy</i> , 2021, 40, 494-513.	1.3	4
75	Modelling and optimisation of long-term forecasting of electricity demand in oil-rich area, South Iran. <i>International Journal of Ambient Energy</i> , 2022, 43, 4612-4622.	1.4	4
76	Distributed wind and solar power for grid sustainability and emission reduction. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13686.	1.3	4
77	Demand Response Participation in Renewable Energy Hubs. , 2018, , 129-161.		3
78	Biofuel for energy self-sufficiency in agricultural sector of Iran. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 44, 101069.	1.7	3
79	Methane hydrate: Modeling and assessing the experimental data of incipient stability conditions. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 848-861.	1.3	2
80	CO2 hydrate: Modeling of incipient stability conditions and dissociation enthalpy. <i>Petroleum Science and Technology</i> , 2018, 36, 259-265.	0.7	2
81	Abandoned wells multigeneration system: promising zero CO2 emission geothermal energy system. <i>International Journal of Energy and Environmental Engineering</i> , 2022, 13, 1237-1246.	1.3	2
82	An Introduction to Smart Energy Systems and Definition of Smart Energy Hubs. , 2018, , 1-21.		1
83	Analysis of Turbulent Flow on Tidal Stream Turbine by RANS and BEM. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021, 127, 515-532.	0.8	1
84	Numerical Simulation of Northwest Sabalan Geothermal Reservoir, Iran. , 2011, , .		1
85	Virtual water evaluation for grains products in Iran Case study: pea and bean. <i>Journal of Water and Land Development</i> , 2017, 35, 275-280.	0.9	1
86	Environmental awareness and economical profits of replacing gas turbines in gas compressor stations: A case study of Polkalleh station in Iran. <i>Environmental Engineering Research</i> , 2016, 21, 132-139.	1.5	0
87	Thermodynamic modeling of an ORC power plant for abandoned geothermal well. , 2022, , 239-253.		0