Hossein Yousefi

List of Publications by Year
in descending order

76 papers	3,649 citations	136950 32 h-index	133252 59 g-index
76 all docs	76 docs citations	76 times ranked	3794 citing authors

#	Article	IF	Citations
1	Energy hub: From a model to a concept – A review. Renewable and Sustainable Energy Reviews, 2017, 80, 1512-1527.	16.4	331
2	All-cellulose nanocomposite film made from bagasse cellulose nanofibers for food packaging application. Carbohydrate Polymers, 2014, 104, 59-65.	10.2	243
3	Optimal management of energy hubs and smart energy hubs – A review. Renewable and Sustainable Energy Reviews, 2018, 89, 33-50.	16.4	218
4	Multi-criteria decision support system for wind farm site selection using GIS. Sustainable Energy Technologies and Assessments, 2016, 13, 38-50.	2.7	198
5	Techno-economic analysis of a grid-connected PV/battery system using the teaching-learning-based optimization algorithm. Solar Energy, 2020, 203, 69-82.	6.1	116
6	A review on floating photovoltaic (FPV) power generation units. Renewable and Sustainable Energy Reviews, 2019, 110, 332-347.	16.4	115
7	Biogas production potential from livestock manure in Iran. Renewable and Sustainable Energy Reviews, 2015, 50, 748-754.	16.4	112
8	Direct Fabrication of *all*-Cellulose Nanocomposite from Cellulose Microfibers Using Ionic Liquid-Based Nanowelding. Biomacromolecules, 2011, 12, 4080-4085.	5.4	105
9	Multi-criteria decision support system for wind farm site selection and sensitivity analysis: Case study of Alborz Province, Iran. Energy Strategy Reviews, 2020, 29, 100478.	7.3	104
10	Multi-objective optimal component sizing of a hybrid ICE + PV/T driven CCHP microgrid. Applied Thermal Engineering, 2017, 122, 126-138.	6.0	98
11	Analysis of the robustness of energy supply in Japan: Role of renewable energy. Energy Reports, 2020, 6, 378-391.	5.1	92
12	Developing the geothermal resources map of Iran. Geothermics, 2010, 39, 140-151.	3.4	86
13	Spatial Site Selection for Solar Power Plants Using a GIS-Based Boolean-Fuzzy Logic Model: A Case Study of Markazi Province, Iran. Energies, 2018, 11, 1648.	3.1	86
14	All-cellulose composite and nanocomposite made from partially dissolved micro- and nanofibers of canola straw. Polymer Journal, 2011, 43, 559-564.	2.7	83
15	Solar assisted ground source heat pump systems – A review. Applied Thermal Engineering, 2019, 163, 114351.	6.0	83
16	Energy and exergy analysis and optimal design of the hybrid molten carbonate fuel cell power plant and carbon dioxide capturing process. Energy Conversion and Management, 2015, 98, 15-27.	9.2	81
17	Direct conversion of raw wood to TEMPO-oxidized cellulose nanofibers. Carbohydrate Polymers, 2021, 262, 117938.	10.2	80
18	Numerical simulation of power production from abandoned oil wells in Ahwaz oil field in southern Iran. Geothermics, 2015, 55, 16-23.	3.4	79

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19	GA/AHP-based optimal design of a hybrid CCHP system considering economy, energy and emission. Energy and Buildings, 2017, 138, 309-317.	6.7	78
20	Designing and optimization of solar assisted ground source heat pump system to supply heating, cooling and hot water demands. Geothermics, 2019, 82, 212-231.	3.4	76
21	Technical, economic, and performance analysis of a hybrid energy system using a novel dispatch strategy. Energy, 2020, 213, 118850.	8.8	70
22	Multi criteria site selection model for wind-compressed air energy storage power plants in Iran. Renewable and Sustainable Energy Reviews, 2014, 32, 579-590.	16.4	59
23	Geothermal energy resources and development in Iran. Renewable and Sustainable Energy Reviews, 2009, 13, 1127-1132.	16.4	53
24	A novel framework for the potential assessment of utility-scale photovoltaic solar energy, application to eastern Iran. Energy Conversion and Management, 2017, 151, 240-258.	9.2	53
25	Modeling for diversifying electricity supply by maximizing renewable energy use in Ebino city southern Japan. Sustainable Cities and Society, 2017, 34, 371-384.	10.4	52
26	A review on parabolic trough/Fresnel based photovoltaic thermal systems. Renewable and Sustainable Energy Reviews, 2018, 91, 193-204.	16.4	51
27	Numerical modeling and economic analysis of a ground source heat pump for supplying energy for a greenhouse in Alborz province, Iran. Journal of Cleaner Production, 2016, 131, 145-154.	9.3	50
28	Mechanical properties of polyvinyl alcohol sponge under different strain rates. International Journal of Materials Research, 2014, 105, 404-408.	0.3	41
29	Improved antifungal activity and stability of chitosan nanofibers using cellulose nanocrystal on banknote papers. Carbohydrate Polymers, 2018, 189, 229-237.	10.2	41
30	Direct mechanical production of wood nanofibers from raw wood microparticles with no chemical treatment. Industrial Crops and Products, 2018, 115, 26-31.	5.2	39
31	Numerical simulation for obtaining optimal impeller's blade parameters of a centrifugal pump for high-viscosity fluid pumping. Sustainable Energy Technologies and Assessments, 2019, 34, 16-26.	2.7	36
32	Phase change materials in solar photovoltaics applied in buildings: An overview. Solar Energy, 2021, 224, 569-592.	6.1	35
33	Modifying the analysis made by water quality index using multi-criteria decision making methods. Journal of African Earth Sciences, 2018, 138, 309-318.	2.0	33
34	Cascading uses of geothermal energy for a sustainable energy supply for Meshkinshahr City, Northwest, Iran. Geothermics, 2019, 79, 152-163.	3.4	32
35	Feasibility study and economical evaluations of geothermal heat pumps in Iran. Geothermics, 2018, 72, 64-73.	3.4	30
36	Water-repellent *all*-cellulose nanocomposite using silane coupling treatment. Journal of Adhesion Science and Technology, 2013, 27, 1324-1334.	2.6	29

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37	Landfill Site Selection Using a Multi-Criteria Decision-Making Method: A Case Study of the Salafcheghan Special Economic Zone, Iran. Sustainability, 2018, 10, 1107.	3.2	29
38	GIS aided prediction of CO_2 emission dispersion from geothermal electricity production. Journal of Cleaner Production, 2011, 19, 1982-1993.	9.3	27
39	CO_2 emission and economic growth of Iran. Mitigation and Adaptation Strategies for Global Change, 2011, 16, 63-82.	2.1	26
40	Fractional order of rational Jacobi functions for solving the non-linear singular Thomas-Fermi equation. European Physical Journal Plus, 2017, 132, 1.	2.6	25
41	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.	4.7	23
42	Influence of Poly(acrylic acid) on the Mechanical Properties of Composite Hydrogels. Advances in Polymer Technology, 2015, 34, .	1.7	22
43	A novel numerical technique to obtain an accurate solution to the Thomas-Fermi equation. European Physical Journal Plus, 2016, 131, 1.	2.6	22
44	Ten-year prediction of groundwater level in Karaj plain (Iran) using MODFLOW2005-NWT in MATLAB. Environmental Earth Sciences, 2019, 78, 1.	2.7	21
45	All-Cellulose Nanocomposite Made from Nanofibrillated Cellulose. Advanced Composites Letters, 2010, 19, 096369351001900.	1.3	20
46	New insulation replacement in buildingsâ€™ walls and its impact on air pollution reduction in Tehran. Intelligent Buildings International, 2019, 11, 65-74.	2.3	16
47	GIS-based spatially integrated bioenergy resources assessment in Kurdistan Province-Northwest Iran. Sustainable Energy Technologies and Assessments, 2017, 23, 11-20.	2.7	15
48	Economic and air pollution effects of city council legislations on renewable energy utilisation in Tehran. International Journal of Ambient Energy, 2018, 39, 626-631.	2.5	15
49	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.	2.5	15
50	CO_2 loading capacity of DEA aqueous solutions: Modeling and assessment of experimental data. International Journal of Greenhouse Gas Control, 2017, 56, 289-301.	4.6	14
51	GIS modeling of CO_2 emission sources and storage possibilities. Energy Procedia, 2011, 4, 2831-2838.	1.8	13
52	Application of nature inspired optimization algorithms in optimum positioning of pump-as-turbines in water distribution networks. Neural Computing and Applications, 2019, 31, 7489-7499.	5.6	13
53	Design Parameters of a Double-Slope Solar Still: Modelling, Sensitivity Analysis, and Optimization. Energies, 2021, 14, 480.	3.1	12
54	A Scenario-Based Management of Water Resources and Supply Systems Using a Combined System Dynamics and Compromise Programming Approach. Water Resources Management, 2021, 35, 4233-4250.	3.9	12

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55	Multi-Criteria Decision-Making System for Wind Farm Site-Selection Using Geographic Information System (GIS): Case Study of Semnan Province, Iran. Sustainability, 2022, 14, 7640.	3.2	12
56	Reliability assessment of HV substations equipped with fault current limiter considering changes of failure rate of components. IET Generation, Transmission and Distribution, 2016, 10, 1504-1509.	2.5	11
57	A detailed investigation and performance optimization of a photovoltaic panel integrated with a reflecting mirror. Applied Thermal Engineering, 2019, 160, 114074.	6.0	11
58	Nanopaper-based sensors. Comprehensive Analytical Chemistry, 2020, , 257-312.	1.3	11
59	Analysis of energy consumption in Finland based on the selected economics indicators. International Journal of Ambient Energy, 2018, 39, 127-131.	2.5	9
60	Analysis of robustness of the Chinese economy and energy supply/demand fluctuations. International Journal of Low-Carbon Technologies, 2019, 14, 147-159.	2.6	9
61	A Spatial-Based Integration Model for Regional Scale Solar Energy Technical Potential. Sustainability, 2020, 12, 1890.	3.2	8
62	Chitin nanofiber-based nanocomposites containing biodegradable polymers for food packaging applications. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2021, 16, 237-246.	1.4	8
63	Evaluating the suitability of different parameters for qualitative analysis of groundwater based on analytical hierarchy process. Desalination and Water Treatment, 2016, 57, 13175-13182.	1.0	7
64	Inflammatory and immune response genes: A genetic analysis of inhibitor development in Iranian hemophilia A patients. Pediatric Hematology and Oncology, 2019, 36, 28-39.	0.8	7
65	Effects of natural gas supply on macro-economics: comparative analysis. International Journal of Ambient Energy, 2021, 42, 483-490.	2.5	7
66	Solving a bi-objective vehicle routing problem under uncertainty by a revised multi-choice goal programming approach. International Journal of Industrial Engineering Computations, 2017, , 283-302.	0.7	6
67	Green nanocomposite made from carboxymethyl cellulose reinforced with four types of cellulose nanomaterials of wheat straw. Journal of Applied Polymer Science, 2022, 139, .	2.6	6
68	Environmental cost of energy consumption and biodiesel as a solution (case study: Iran). International Journal of Sustainable Energy, 2019, 38, 966-980.	2.4	5
69	Shifted Boubaker Lagrangian approach for solving biological systems. International Journal of Biomathematics, 2018, 11, 1850039.	2.9	4
70	A rational approximation to the boundary layer flow of a non-Newtonian fluid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	4
71	Techno-economic Analysis of Wind Turbines Systems to Reduce Carbon Emission of Greenhouses: A Case Study in Iran. , 2021, , .		4
72	Distributed wind and solar power for grid sustainability and emission reduction. Environmental Progress and Sustainable Energy, 2021, 40, e13686.	2.3	4

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73	Biofuel for energy self-sufficiency in agricultural sector of Iran. Sustainable Energy Technologies and Assessments, 2021, 44, 101069.	2.7	3
74	Some Thoughts on the Notion of Environmental Information Science. Electronic Green Journal, 2014, 1, .	0.2	2
75	Presenting a conceptual model of data collection to manage the groundwater quality. Journal of Water and Land Development, 2017, 35, 149-160.	0.9	2
76	Virtual water evaluation for grains productsin Iran Case study: pea and bean. Journal of Water and Land Development, 2017, 35, 275-280.	0.9	1