

Hossein Yousefi

List of Publications by Year in descending order

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76
papers

3,649
citations

136740

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76
all docs

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docs citations

76
times ranked

3794
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.6	12
2	Green nanocomposite made from carboxymethyl cellulose reinforced with four types of cellulose nanomaterials of wheat straw. Journal of Applied Polymer Science, 2022, 139, .	1.3	6
3	Effects of natural gas supply on macro-economics: comparative analysis. International Journal of Ambient Energy, 2021, 42, 483-490.	1.4	7
4	Design Parameters of a Double-Slope Solar Still: Modelling, Sensitivity Analysis, and Optimization. Energies, 2021, 14, 480.	1.6	12
5	Biofuel for energy self-sufficiency in agricultural sector of Iran. Sustainable Energy Technologies and Assessments, 2021, 44, 101069.	1.7	3
6	Techno-economic Analysis of Wind Turbines Systems to Reduce Carbon Emission of Greenhouses: A Case Study in Iran. , 2021, , .		4
7	Chitin nanofiber-based nanocomposites containing biodegradable polymers for food packaging applications. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2021, 16, 237-246.	0.5	8
8	Direct conversion of raw wood to TEMPO-oxidized cellulose nanofibers. Carbohydrate Polymers, 2021, 262, 117938.	5.1	80
9	Distributed wind and solar power for grid sustainability and emission reduction. Environmental Progress and Sustainable Energy, 2021, 40, e13686.	1.3	4
10	Phase change materials in solar photovoltaics applied in buildings: An overview. Solar Energy, 2021, 224, 569-592.	2.9	35
11	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.	1.9	12
12	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
13	Technical, economic, and performance analysis of a hybrid energy system using a novel dispatch strategy. Energy, 2020, 213, 118850.	4.5	70
14	Nanopaper-based sensors. Comprehensive Analytical Chemistry, 2020, , 257-312.	0.7	11
15	Analysis of the robustness of energy supply in Japan: Role of renewable energy. Energy Reports, 2020, 6, 378-391.	2.5	92
16	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.	3.3	104
17	Techno-economic analysis of a grid-connected PV/battery system using the teaching-learning-based optimization algorithm. Solar Energy, 2020, 203, 69-82.	2.9	116
18	A Spatial-Based Integration Model for Regional Scale Solar Energy Technical Potential. Sustainability, 2020, 12, 1890.	1.6	8

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19	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
20	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
21	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
22	Solar assisted ground source heat pump systems – A review. <i>Applied Thermal Engineering</i> , 2019, 163, 114351.	3.0	83
23	Cascading uses of geothermal energy for a sustainable energy supply for Meshkinshahr City, Northwest, Iran. <i>Geothermics</i> , 2019, 79, 152-163.	1.5	32
24	Ten-year prediction of groundwater level in Karaj plain (Iran) using MODFLOW2005-NWT in MATLAB. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	21
25	Analysis of robustness of the Chinese economy and energy supply/demand fluctuations. <i>International Journal of Low-Carbon Technologies</i> , 2019, 14, 147-159.	1.2	9
26	Environmental cost of energy consumption and biodiesel as a solution (case study: Iran). <i>International Journal of Sustainable Energy</i> , 2019, 38, 966-980.	1.3	5
27	A review on floating photovoltaic (FPV) power generation units. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 110, 332-347.	8.2	115
28	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
29	Inflammatory and immune response genes: A genetic analysis of inhibitor development in Iranian hemophilia A patients. <i>Pediatric Hematology and Oncology</i> , 2019, 36, 28-39.	0.3	7
30	A rational approximation to the boundary layer flow of a non-Newtonian fluid. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	4
31	New insulation replacement in buildings' walls and its impact on air pollution reduction in Tehran. <i>Intelligent Buildings International</i> , 2019, 11, 65-74.	1.3	16
32	Improved antifungal activity and stability of chitosan nanofibers using cellulose nanocrystal on banknote papers. <i>Carbohydrate Polymers</i> , 2018, 189, 229-237.	5.1	41
33	A review on parabolic trough/Fresnel based photovoltaic thermal systems. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 193-204.	8.2	51
34	Direct mechanical production of wood nanofibers from raw wood microparticles with no chemical treatment. <i>Industrial Crops and Products</i> , 2018, 115, 26-31.	2.5	39
35	Shifted Boubaker Lagrangian approach for solving biological systems. <i>International Journal of Biomathematics</i> , 2018, 11, 1850039.	1.5	4
36	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

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37	Analysis of energy consumption in Finland based on the selected economics indicators. International Journal of Ambient Energy, 2018, 39, 127-131.	1.4	9
38	Economic and air pollution effects of city council legislations on renewable energy utilisation in Tehran. International Journal of Ambient Energy, 2018, 39, 626-631.	1.4	15
39	Modifying the analysis made by water quality index using multi-criteria decision making methods. Journal of African Earth Sciences, 2018, 138, 309-318.	0.9	33
40	Feasibility study and economical evaluations of geothermal heat pumps in Iran. Geothermics, 2018, 72, 64-73.	1.5	30
41	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.	1.6	86
42	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
43	Fractional order of rational Jacobi functions for solving the non-linear singular Thomas-Fermi equation. European Physical Journal Plus, 2017, 132, 1.	1.2	25
44	Multi-objective optimal component sizing of a hybrid ICE + PV/T driven CCHP microgrid. Applied Thermal Engineering, 2017, 122, 126-138.	3.0	98
45	GA/AHP-based optimal design of a hybrid CCHP system considering economy, energy and emission. Energy and Buildings, 2017, 138, 309-317.	3.1	78
46	CO ₂ loading capacity of DEA aqueous solutions: Modeling and assessment of experimental data. International Journal of Greenhouse Gas Control, 2017, 56, 289-301.	2.3	14
47	GIS-based spatially integrated bioenergy resources assessment in Kurdistan Province-Northwest Iran. Sustainable Energy Technologies and Assessments, 2017, 23, 11-20.	1.7	15
48	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.	4.4	53
49	Modeling for diversifying electricity supply by maximizing renewable energy use in Ebino city southern Japan. Sustainable Cities and Society, 2017, 34, 371-384.	5.1	52
50	Energy hub: From a model to a concept – A review. Renewable and Sustainable Energy Reviews, 2017, 80, 1512-1527.	8.2	331
51	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.	0.4	6
52	Virtual water evaluation for grains products in Iran Case study: pea and bean. Journal of Water and Land Development, 2017, 35, 275-280.	0.9	1
53	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
54	A novel numerical technique to obtain an accurate solution to the Thomas-Fermi equation. European Physical Journal Plus, 2016, 131, 1.	1.2	22

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55	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
56	Simulation of Power Production from Dry Geothermal Well Using Down-hole Heat Exchanger in Sabalan Field, Northwest Iran. <i>Natural Resources Research</i> , 2016, 25, 227-239.	2.2	23
57	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
58	Reliability assessment of HV substations equipped with fault current limiter considering changes of failure rate of components. <i>IET Generation, Transmission and Distribution</i> , 2016, 10, 1504-1509.	1.4	11
59	Evaluating the suitability of different parameters for qualitative analysis of groundwater based on analytical hierarchy process. <i>Desalination and Water Treatment</i> , 2016, 57, 13175-13182.	1.0	7
60	Influence of Poly(acrylic acid) on the Mechanical Properties of Composite Hydrogels. <i>Advances in Polymer Technology</i> , 2015, 34, .	0.8	22
61	Biogas production potential from livestock manure in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 748-754.	8.2	112
62	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
63	Energy and exergy analysis and optimal design of the hybrid molten carbonate fuel cell power plant and carbon dioxide capturing process. <i>Energy Conversion and Management</i> , 2015, 98, 15-27.	4.4	81
64	All-cellulose nanocomposite film made from bagasse cellulose nanofibers for food packaging application. <i>Carbohydrate Polymers</i> , 2014, 104, 59-65.	5.1	243
65	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
66	Mechanical properties of polyvinyl alcohol sponge under different strain rates. <i>International Journal of Materials Research</i> , 2014, 105, 404-408.	0.1	41
67	Some Thoughts on the Notion of Environmental Information Science. <i>Electronic Green Journal</i> , 2014, 1, .	0.1	2
68	Water-repellent cellulose nanocomposite using silane coupling treatment. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 1324-1334.	1.4	29
69	Direct Fabrication of Cellulose Nanocomposite from Cellulose Microfibers Using Ionic Liquid-Based Nanowelding. <i>Biomacromolecules</i> , 2011, 12, 4080-4085.	2.6	105
70	All-cellulose composite and nanocomposite made from partially dissolved micro- and nanofibers of canola straw. <i>Polymer Journal</i> , 2011, 43, 559-564.	1.3	83
71	GIS aided prediction of CO ₂ emission dispersion from geothermal electricity production. <i>Journal of Cleaner Production</i> , 2011, 19, 1982-1993.	4.6	27
72	CO ₂ emission and economic growth of Iran. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2011, 16, 63-82.	1.0	26

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73	GIS modeling of CO2 emission sources and storage possibilities. Energy Procedia, 2011, 4, 2831-2838.	1.8	13
74	Developing the geothermal resources map of Iran. Geothermics, 2010, 39, 140-151.	1.5	86
75	All-Cellulose Nanocomposite Made from Nanofibrillated Cellulose. Advanced Composites Letters, 2010, 19, 096369351001900.	1.3	20
76	Geothermal energy resources and development in Iran. Renewable and Sustainable Energy Reviews, 2009, 13, 1127-1132.	8.2	53