Hossein Yousefi

List of Publications by Year
in descending order

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110 papers	4,998 citations	76196 40 h-index	98622 67 g-index
111 all docs	111 docs citations	111 times ranked	5493 citing authors

#	Article	IF	Citations
1	Rheological properties of wood/bacterial cellulose and chitin nanoâ€hydrogels as a function of concentration and their nanoâ€films properties. IET Nanobiotechnology, 2022, 16, 158-169.	1.9	7
2	Energy recovery from water distribution networks using micro hydropower: A case study in Iran. Energy, 2022, 252, 124024.	4.5	11
3	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
4	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
5	DRASTIC framework improvement using Stepwise Weight Assessment Ratio Analysis (SWARA) and combination of Genetic Algorithm and Entropy. Environmental Science and Pollution Research, 2021, 28, 46704-46724.	2.7	47
6	Effects of natural gas supply on macro-economics: comparative analysis. International Journal of Ambient Energy, 2021, 42, 483-490.	1.4	7
7	Design Parameters of a Double-Slope Solar Still: Modelling, Sensitivity Analysis, and Optimization. Energies, 2021, 14, 480.	1.6	12
8	Effect of bagasse lignocellulose microfibers on sand stabilization: A laboratory study. Aeolian Research, 2021, 49, 100654.	1.1	4
9	Biofuel for energy self-sufficiency in agricultural sector of Iran. Sustainable Energy Technologies and Assessments, 2021, 44, 101069.	1.7	3
10	Chitin nanofiber-based nanocomposites containing biodegradable polymers for food packaging applications. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2021, 16, 237-246.	0.5	8
11	Dynamic Nanohybrid-Polysaccharide Hydrogels for Soft Wearable Strain Sensing. Sensors, 2021, 21, 3574.	2.1	11
12	Direct conversion of raw wood to TEMPO-oxidized cellulose nanofibers. Carbohydrate Polymers, 2021, 262, 117938.	5.1	80
13	Distributed wind and solar power for grid sustainability and emission reduction. Environmental Progress and Sustainable Energy, 2021, 40, e13686.	1.3	4
14	Phase change materials in solar photovoltaics applied in buildings: An overview. Solar Energy, 2021, 224, 569-592.	2.9	35
15	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
16	The Influence of Pulping Process and Energy Consumption on Properties of Nanofibrillated Lignocellulose (NFLC) Films Isolated from Wheat Straw. Drvna Industrija, 2021, 72, 327-336.	0.3	2
17	Decrease in CO₂ 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
18	Weath ering Performance of Beech Wood Coated with Acrylic Paint Containing UV Stabilizers of Dihydroxy Benzophenone and Nano Zinc Oxide. Drvna Industrija, 2020, 71, 403-409.	0.3	4

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19	Technical, economic, and performance analysis of a hybrid energy system using a novel dispatch strategy. Energy, 2020, 213, 118850.	4.5	70
20	Nanopaper-based sensors. Comprehensive Analytical Chemistry, 2020, , 257-312.	0.7	11
21	Chitin Nanofiber Paper toward Optical (Bio)sensing Applications. ACS Applied Materials & Interfaces, 2020, 12, 15538-15552.	4.0	64
22	Dynamic Mussel-Inspired Chitin Nanocomposite Hydrogels for Wearable Strain Sensors. Polymers, 2020, 12, 1416.	2.0	19
23	Analysis of the robustness of energy supply in Japan: Role of renewable energy. Energy Reports, 2020, 6, 378-391.	2.5	92
24	Novel cellulose nanofiber aerogel for aquaculture wastewater treatment. Environmental Technology and Innovation, 2020, 18, 100786.	3.0	27
25	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
26	A Spatial-Based Integration Model for Regional Scale Solar Energy Technical Potential. Sustainability, 2020, 12, 1890.	1.6	8
27	On the reliability of CALPUFF and AUSTAL 2000 modeling systems regarding smoke and vapor plume mergence. Idojaras, 2020, 124, 299-309.	0.2	0
28	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.	3.2	13
29	A detailed investigation and performance optimization of a photovoltaic panel integrated with a reflecting mirror. Applied Thermal Engineering, 2019, 160, 114074.	3.0	11
30	Isolation of lignocellulose nanofiber from recycled old corrugated container and its interaction with cationic starchâ€“nanosilica combination to make paperboard. Cellulose, 2019, 26, 7207-7221.	2.4	31
31	Designing and optimization of solar assisted ground source heat pump system to supply heating, cooling and hot water demands. Geothermics, 2019, 82, 212-231.	1.5	76
32	Solar assisted ground source heat pump systems â€“ A review. Applied Thermal Engineering, 2019, 163, 114351.	3.0	83
33	Cascading uses of geothermal energy for a sustainable energy supply for Meshkinshahr City, Northwest, Iran. Geothermics, 2019, 79, 152-163.	1.5	32
34	Ten-year prediction of groundwater level in Karaj plain (Iran) using MODFLOW2005-NWT in MATLAB. Environmental Earth Sciences, 2019, 78, 1.	1.3	21
35	Analysis of robustness of the Chinese economy and energy supply/demand fluctuations. International Journal of Low-Carbon Technologies, 2019, 14, 147-159.	1.2	9
36	Environmental cost of energy consumption and biodiesel as a solution (case study: Iran). International Journal of Sustainable Energy, 2019, 38, 966-980.	1.3	5

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37	A review on floating photovoltaic (FPV) power generation units. Renewable and Sustainable Energy Reviews, 2019, 110, 332-347.	8.2	115
38	Numerical simulation for obtaining optimal impellerâ€™s blade parameters of a centrifugal pump for high-viscosity fluid pumping. Sustainable Energy Technologies and Assessments, 2019, 34, 16-26.	1.7	36
39	Inflammatory and immune response genes: A genetic analysis of inhibitor development in Iranian hemophilia A patients. Pediatric Hematology and Oncology, 2019, 36, 28-39.	0.3	7
40	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.	0.8	4
41	A study on the thermal and mechanical properties of composites made of nanolignocellulose and Pebax^{Â®}polymer. Journal of Thermoplastic Composite Materials, 2019, 32, 1509-1524.	2.6	6
42	New insulation replacement in buildingsâ€™ walls and its impact on air pollution reduction in Tehran. Intelligent Buildings International, 2019, 11, 65-74.	1.3	16
43	Improved antifungal activity and stability of chitosan nanofibers using cellulose nanocrystal on banknote papers. Carbohydrate Polymers, 2018, 189, 229-237.	5.1	41
44	Cellulose nanofiber board. Carbohydrate Polymers, 2018, 187, 133-139.	5.1	32
45	A review on parabolic trough/Fresnel based photovoltaic thermal systems. Renewable and Sustainable Energy Reviews, 2018, 91, 193-204.	8.2	51
46	Direct mechanical production of wood nanofibers from raw wood microparticles with no chemical treatment. Industrial Crops and Products, 2018, 115, 26-31.	2.5	39
47	Shifted Boubaker Lagrangian approach for solving biological systems. International Journal of Biomathematics, 2018, 11, 1850039.	1.5	4
48	Optimal management of energy hubs and smart energy hubs â€“ A review. Renewable and Sustainable Energy Reviews, 2018, 89, 33-50.	8.2	218
49	Analysis of energy consumption in Finland based on the selected economics indicators. International Journal of Ambient Energy, 2018, 39, 127-131.	1.4	9
50	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
51	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
52	Feasibility study and economical evaluations of geothermal heat pumps in Iran. Geothermics, 2018, 72, 64-73.	1.5	30
53	MWCNT-coated cellulose nanopapers: Droplet-coating, process factors, and electrical conductivity performance. Carbohydrate Polymers, 2018, 202, 504-512.	5.1	13
54	Groundwater pollution potential evaluation in Khorramabad-Lorestan Plain, western Iran. Journal of African Earth Sciences, 2018, 147, 647-656.	0.9	5

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55	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
56	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
57	Comparative properties of nanofibers produced using unbleached and bleached wheat straw pulps. Nordic Pulp and Paper Research Journal, 2018, 33, 439-447.	0.3	2
58	Chromosome numbers and karyotype features of Phlomis olivieri Benth. (Lamiaceae) from Iran. Acta Botanica Croatica, 2018, 77, 93-96.	0.3	1
59	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
60	Multi-objective optimal component sizing of a hybrid ICE + PV/T driven CCHP microgrid. Applied Thermal Engineering, 2017, 122, 126-138.	3.0	98
61	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
62	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
63	GIS-based spatially integrated bioenergy resources assessment in Kurdistan Province-Northwest Iran. Sustainable Energy Technologies and Assessments, 2017, 23, 11-20.	1.7	15
64	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
65	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
66	Energy hub: From a model to a concept â€“ A review. Renewable and Sustainable Energy Reviews, 2017, 80, 1512-1527.	8.2	331
67	Modeling and optimization of currently in operation natural gas desulfurization process using adsorption separation method. Chemical Engineering and Processing: Process Intensification, 2017, 120, 220-233.	1.8	11
68	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
69	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
70	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
71	Preparation and characterization of nanofibrillated Cellulose/Poly (Vinyl Alcohol) composite films. Maderas: Ciencia Y Tecnologia, 2016, , 0-0.	0.7	6
72	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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73	Interaction between Nanofibrillated Cellulose with Guar Gum and Carboxy Methyl Cellulose in Lowâ€Fat Mayonnaise. Journal of Texture Studies, 2016, 47, 403-412.	1.1	40
74	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.	4.6	50
75	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
76	Multi-criteria decision support system for wind farm site selection using GIS. Sustainable Energy Technologies and Assessments, 2016, 13, 38-50.	1.7	198
77	Modeling landfill site selection by multi-criteria decision making and fuzzy functions in GIS, case study: Shabestar, Iran. Environmental Earth Sciences, 2016, 75, 1.	1.3	82
78	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.	1.4	11
79	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
80	Influence of Poly(acrylic acid) on the Mechanical Properties of Composite Hydrogels. Advances in Polymer Technology, 2015, 34, .	0.8	22
81	Biogas production potential from livestock manure in Iran. Renewable and Sustainable Energy Reviews, 2015, 50, 748-754.	8.2	112
82	Numerical simulation of power production from abandoned oil wells in Ahwaz oil field in southern Iran. Geothermics, 2015, 55, 16-23.	1.5	79
83	Effect of Î³-irradiation on the physical and mechanical properties of kefiran biopolymer film. International Journal of Biological Macromolecules, 2015, 74, 343-350.	3.6	61
84	Direct solvent nanowelding of cellulose fibers to make all-cellulose nanocomposite. Cellulose, 2015, 22, 1189-1200.	2.4	37
85	Green in-situ synthesized silver nanoparticles embedded in bacterial cellulose nanopaper as a bionanocomposite plasmonic sensor. Biosensors and Bioelectronics, 2015, 74, 353-359.	5.3	117
86	Nanopaper as an Optical Sensing Platform. ACS Nano, 2015, 9, 7296-7305.	7.3	204
87	Green bionanocomposite based on kefiran and cellulose nanocrystals produced from beer industrial residues. International Journal of Biological Macromolecules, 2015, 77, 85-91.	3.6	59
88	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.	4.4	81
89	Preparation and characterization of nanocellulose from beer industrial residues using acid hydrolysis/ultrasound. Fibers and Polymers, 2015, 16, 529-536.	1.1	77
90	Preparation of UV-protective kefiran/nano-ZnO nanocomposites: Physical and mechanical properties. International Journal of Biological Macromolecules, 2015, 72, 41-46.	3.6	96

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91	All-cellulose nanocomposite film made from bagasse cellulose nanofibers for food packaging application. Carbohydrate Polymers, 2014, 104, 59-65.	5.1	243
92	Multi criteria site selection model for wind-compressed air energy storage power plants in Iran. Renewable and Sustainable Energy Reviews, 2014, 32, 579-590.	8.2	59
93	Effects of hemicellulose pre-extraction and cellulose nanofiber on the properties of rice straw pulp. International Journal of Biological Macromolecules, 2014, 68, 198-204.	3.6	19
94	Strong Highly Anisotropic Magnetocellulose Nanocomposite Films Made by Chemical Peeling and In Situ Welding at the Interface Using an Ionic Liquid. ACS Applied Materials & Interfaces, 2014, 6, 8165-8172.	4.0	24
95	Mechanical properties of polyvinyl alcohol sponge under different strain rates. International Journal of Materials Research, 2014, 105, 404-408.	0.1	41
96	Properties of Chemi-Mechanical Pulp Filled with Nanofibrillated and Microcrystalline Cellulose. Journal of Biobased Materials and Bioenergy, 2014, 8, 489-494.	0.1	7
97	Comparative effect of mechanical beating and nanofibrillation of cellulose on paper properties made from bagasse and softwood pulps. Carbohydrate Polymers, 2013, 97, 725-730.	5.1	104
98	Water-repellentall-cellulose nanocomposite using silane coupling treatment. Journal of Adhesion Science and Technology, 2013, 27, 1324-1334.	1.4	29
99	Comparative study of paper and nanopaper properties prepared from bacterial cellulose nanofibers and fibers/ground cellulose nanofibers of canola straw. Industrial Crops and Products, 2013, 43, 732-737.	2.5	153
100	The effect of Na+ montmorillonite (NaMMT) nanoclay on thermal properties of medium density fiberboard (MDF). European Journal of Wood and Wood Products, 2012, 70, 565-571.	1.3	23
101	Direct Fabrication ofall-Cellulose Nanocomposite from Cellulose Microfibers Using Ionic Liquid-Based Nanowelding. Biomacromolecules, 2011, 12, 4080-4085.	2.6	105
102	All-cellulose composite and nanocomposite made from partially dissolved micro- and nanofibers of canola straw. Polymer Journal, 2011, 43, 559-564.	1.3	83
103	GIS aided prediction of CO2 emission dispersion from geothermal electricity production. Journal of Cleaner Production, 2011, 19, 1982-1993.	4.6	27
104	CO2 emission and economic growth of Iran. Mitigation and Adaptation Strategies for Global Change, 2011, 16, 63-82.	1.0	26
105	GIS modeling of CO2 emission sources and storage possibilities. Energy Procedia, 2011, 4, 2831-2838.	1.8	13
106	Mass transfer in medium density fiberboard (MDF) modified by Na+ montmorillonite (Na+MMT) nanoclay. Maderas: Ciencia Y Tecnologia, 2011, 13, 163-172.	0.7	4
107	Developing the geothermal resources map of Iran. Geothermics, 2010, 39, 140-151.	1.5	86
108	All-Cellulose Nanocomposite Made from Nanofibrillated Cellulose. Advanced Composites Letters, 2010, 19, 096369351001900.	1.3	20

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109	Canola straw as a bio-waste resource for medium density fiberboard (MDF) manufacture. Waste Management, 2009, 29, 2644-2648.	3.7	49
110	Geothermal energy resources and development in Iran. Renewable and Sustainable Energy Reviews, 2009, 13, 1127-1132.	8.2	53