

Alireza Keyhani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10708529/publications.pdf>

Version: 2024-02-01

37
papers

2,475
citations

304743

22
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

2247
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of principle and sun-tracking methods for maximizing solar systems output. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 1800-1818.	16.4	654
2	Energy use and economical analysis of potato production in Iran a case study: Ardabil province. <i>Energy Conversion and Management</i> , 2008, 49, 3566-3570.	9.2	254
3	Sensitivity analysis of energy inputs for barley production in Hamedan Province of Iran. <i>Agriculture, Ecosystems and Environment</i> , 2010, 137, 367-372.	5.3	180
4	Potential greenhouse gas emission reductions in soybean farming: a combined use of Life Cycle Assessment and Data Envelopment Analysis. <i>Journal of Cleaner Production</i> , 2013, 54, 89-100.	9.3	147
5	Potential of radial basis function based support vector regression for global solar radiation prediction. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 39, 1005-1011.	16.4	139
6	Energy balance in Iran's agronomy (1990-2006). <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 849-855.	16.4	134
7	Energy use efficiency and greenhouse gas emissions of farming systems in north Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 724-733.	16.4	126
8	Joint Life Cycle Assessment and Data Envelopment Analysis for the benchmarking of environmental impacts in rice paddy production. <i>Journal of Cleaner Production</i> , 2015, 106, 521-532.	9.3	118
9	A comparative study between fuzzy linear regression and support vector regression for global solar radiation prediction in Iran. <i>Solar Energy</i> , 2014, 109, 135-143.	6.1	63
10	Energy use and sensitivity analysis of energy inputs for alfalfa production in Iran. <i>Energy for Sustainable Development</i> , 2012, 16, 84-89.	4.5	58
11	Optimization of energy required for alfalfa production using data envelopment analysis approach. <i>Energy for Sustainable Development</i> , 2012, 16, 242-248.	4.5	55
12	Modeling Effective Moisture Diffusivity of Orange Slice (Thompson Cv.). <i>International Journal of Food Properties</i> , 2010, 13, 32-40.	3.0	54
13	Energy use pattern and sensitivity analysis of energy inputs and input costs for pear production in Iran. <i>Renewable Energy</i> , 2013, 51, 7-12.	8.9	52
14	Energy consumption flow and econometric models of two plum cultivars productions in Tehran province of Iran. <i>Energy</i> , 2012, 44, 211-216.	8.8	51
15	Modeling Solar Energy Potential in a Tehran Province Using Artificial Neural Networks. <i>International Journal of Green Energy</i> , 2013, 10, 427-441.	3.8	46
16	Environmental assessment of RAMseS multipurpose electric vehicle compared to a conventional combustion engine vehicle. <i>Journal of Cleaner Production</i> , 2009, 17, 781-790.	9.3	42
17	Energy use patterns and econometric models of grape production in Hamadan province of Iran. <i>Energy</i> , 2011, 36, 6345-6351.	8.8	37
18	Life-cycle assessment of a Solar Assist Plug-in Hybrid electric Tractor (SAPHT) in comparison with a conventional tractor. <i>Energy Conversion and Management</i> , 2011, 52, 1700-1710.	9.2	37

#	ARTICLE	IF	CITATIONS
19	Energy and economic assessment of prune production in Tehran province of Iran. Journal of Cleaner Production, 2013, 39, 280-284.	9.3	33
20	Hybrid response surface methodology-genetic algorithm optimization of ultrasound-assisted transesterification of waste oil catalysed by immobilized lipase on mesoporous silica/iron oxide magnetic core-shell nanoparticles. Environmental Technology (United Kingdom), 2013, 34, 2201-2211.	2.2	29
21	Energy and economic analysis of different seed corn harvesting systems in Iran. Energy, 2012, 43, 469-476.	8.8	26
22	Technical and economical assessment of a multipurpose electric vehicle for farmers. Journal of Cleaner Production, 2009, 17, 1556-1562.	9.3	25
23	Life cycle energy use, costs, and greenhouse gas emission of broiler farms in different production systems in Iran—a case study of Alborz province. Environmental Science and Pollution Research, 2017, 24, 16041-16049.	5.3	20
24	Evaluation of alternative battery technologies for a solar assist plug-in hybrid electric tractor. Transportation Research, Part D: Transport and Environment, 2010, 15, 507-512.	6.8	19
25	Modeling Effective Moisture Diffusivity of Wheat (<i>Triticum aestivum</i>) During Air Drying. International Journal of Food Properties, 2008, 11, 223-232.	3.0	18
26	Integration of life cycle assessment, artificial neural networks, and metaheuristic optimization algorithms for optimization of tomato-based cropping systems in Iran. International Journal of Life Cycle Assessment, 2020, 25, 620-632.	4.7	13
27	Developing location indicators for Agricultural Service Center: a Delphi-TOPSIS-FAHP approach. Production and Manufacturing Research, 2015, 3, 124-148.	1.5	10
28	Design, Construction and Evaluation of a Sun-Tracking System on a Mobile Structure. Journal of Solar Energy Engineering, Transactions of the ASME, 2011, 133, .	1.8	7
29	Modeling of Basil Leaves Drying by GA-ANN. International Journal of Food Engineering, 2013, 9, 393-401.	1.5	7
30	Energy use and economic analysis of NPK-15:8:15 fertilizer granulation process in Iran. Journal of the Saudi Society of Agricultural Sciences, 2017, 16, 265-269.	1.9	6
31	Sustainability in Agricultural Mechanization: Assessment of a Combined Photovoltaic and Electric Multipurpose System for Farmers. Sustainability, 2009, 1, 1042-1068.	3.2	5
32	A new correlation on the MEXICO experiment using a 3D enhanced blade element momentum technique. International Journal of Sustainable Energy, 2014, 33, 448-460.	2.4	4
33	Agricultural Service Center Location Problem: Concept and a MCDM Solution Approach. Lecture Notes in Computer Science, 2014, , 611-617.	1.3	3
34	A Traveling Time Model as Function of Water Density and Vegetable Size, Shape and Density. Journal of Fruit and Ornamental Plant Research, 2010, 73, 143-149.	0.4	2
35	Developing new mathematical model formats for estimating daily and monthly solar radiation: case study: Iran. International Journal of Sustainable Energy, 2020, 39, 896-926.	2.4	1
36	Modeling of moisture content in tomato drying process by ANN-GA technique. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Integration of thermal performance of sour cherry concentration plant with 3E procedures: energy, exergy and exergoeconomy. Journal of Thermal Analysis and Calorimetry, 0, , 1.	3.6	0