

Hossein Mousazadeh

List of Publications by Year in descending order

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31
papers

2,087
citations

361413

20
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2150
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	Environmental impact assessment of tomato and cucumber cultivation in greenhouses using life cycle assessment and adaptive neuro-fuzzy inference system. <i>Journal of Cleaner Production</i> , 2014, 73, 183-192.	9.3	148
3	A technical review on navigation systems of agricultural autonomous off-road vehicles. <i>Journal of Terramechanics</i> , 2013, 50, 211-232.	3.1	141
4	Developing a navigation, guidance and obstacle avoidance algorithm for an Unmanned Surface Vehicle (USV) by algorithms fusion. <i>Ocean Engineering</i> , 2018, 159, 56-65.	4.3	118
5	Reduction of CO2 emission by improving energy use efficiency of greenhouse cucumber production using DEA approach. <i>Energy</i> , 2013, 55, 676-682.	8.8	113
6	Applying data envelopment analysis approach to improve energy efficiency and reduce GHG (greenhouse gas) emission of wheat production. <i>Energy</i> , 2013, 58, 588-593.	8.8	97
7	Environmental impact assessment of open field and greenhouse strawberry production. <i>European Journal of Agronomy</i> , 2013, 50, 29-37.	4.1	97
8	Comparison of energy consumption and GHG emissions of open field and greenhouse strawberry production. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 29, 316-324.	16.4	90
9	Gate to gate life cycle assessment of flat pressed particleboard production in Islamic Republic of Iran. <i>Journal of Cleaner Production</i> , 2016, 112, 343-350.	9.3	77
10	Prognostication of environmental indices in potato production using artificial neural networks. <i>Journal of Cleaner Production</i> , 2013, 52, 402-409.	9.3	71
11	Prediction of potato yield based on energy inputs using multi-layer adaptive neuro-fuzzy inference system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 47, 521-530.	5.0	58
12	Application of multi-layer adaptive neuro-fuzzy inference system for estimation of greenhouse strawberry yield. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 47, 903-910.	5.0	50
13	Life cycle assessment of medium-density fiberboard manufacturing process in Islamic Republic of Iran. <i>Journal of Cleaner Production</i> , 2016, 112, 351-358.	9.3	45
14	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
15	Sustainability evaluation of pasteurized milk production with a life cycle assessment approach: An Iranian case study. <i>Science of the Total Environment</i> , 2016, 562, 614-627.	8.0	41
16	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
17	Design, simulation and experimental evaluation of energy system for an unmanned surface vehicle. <i>Energy</i> , 2018, 148, 362-372.	8.8	29
18	Developing a fuzzy clustering model for better energy use in farm management systems. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 48, 27-34.	16.4	28

#	ARTICLE	IF	CITATIONS
19	Technical and economical assessment of a multipurpose electric vehicle for farmers. Journal of Cleaner Production, 2009, 17, 1556-1562.	9.3	25
20	State of the art of autonomous agricultural off-road vehicles driven by renewable energy systems. Energy Procedia, 2019, 162, 4-13.	1.8	23
21	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
22	Experimental evaluation of a hydrography surface vehicle in four navigation modes. Journal of Ocean Engineering and Science, 2017, 2, 127-136.	4.3	16
23	Development of a mobile robot for safe mechanical evacuation of hazardous bulk materials in industrial confined spaces. Journal of Field Robotics, 2022, 39, 218-231.	6.0	14
24	An intelligent energy management strategy for an off-road plug-in hybrid electric tractor based on farm operation recognition. IET Electrical Systems in Transportation, 2021, 11, 333-347.	2.4	13
25	Evaluation of properties of bast fiber extracted from Calotropis (Milkweed) by a new decorticator machine and manual methods. Industrial Crops and Products, 2016, 83, 545-550.	5.2	8
26	Evaluation of some effective parameters on the energy efficiency of on-board photovoltaic array on an unmanned surface vehicle. Ships and Offshore Structures, 2019, 14, 492-500.	1.9	8
27	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
28	Experimental Evaluation of A New Developed Algorithm for An Autonomous Surface Vehicle and Comparison with Simulink Results. China Ocean Engineering, 2019, 33, 268-278.	1.6	7
29	Sustainability in Agricultural Mechanization: Assessment of a Combined Photovoltaic and Electric Multipurpose System for Farmers. Sustainability, 2009, 1, 1042-1068.	3.2	5
30	Design, construction and evaluation of a fiber extracting machine from Calotropis (milkweed) stems. Engineering in Agriculture, Environment and Food, 2015, 8, 88-94.	0.5	3
31	Dynamic and static object detection and tracking in an autonomous surface vehicle. Ships and Offshore Structures, 2020, 15, 711-721.	1.9	3