

# Hossein Mousazadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Development of a mobile robot for safe mechanical evacuation of hazardous bulk materials in industrial confined spaces. <i>Journal of Field Robotics</i> , 2022, 39, 218-231.                                      | 6.0  | 14        |
| 2  | An intelligent energy management strategy for an off-road plug-in hybrid electric tractor based on farm operation recognition. <i>IET Electrical Systems in Transportation</i> , 2021, 11, 333-347.                | 2.4  | 13        |
| 3  | Dynamic and static object detection and tracking in an autonomous surface vehicle. <i>Ships and Offshore Structures</i> , 2020, 15, 711-721.   | 1.9  | 3         |
| 4  | State of the art of autonomous agricultural off-road vehicles driven by renewable energy systems. <i>Energy Procedia</i> , 2019, 162, 4-13.  | 1.8  | 23        |
| 5  | Experimental Evaluation of A New Developed Algorithm for An Autonomous Surface Vehicle and Comparison with Simulink Results. <i>China Ocean Engineering</i> , 2019, 33, 268-278.                                   | 1.6  | 7         |
| 6  | Evaluation of some effective parameters on the energy efficiency of on-board photovoltaic array on an unmanned surface vehicle. <i>Ships and Offshore Structures</i> , 2019, 14, 492-500.                          | 1.9  | 8         |
| 7  | 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       |
| 8  | Design, simulation and experimental evaluation of energy system for an unmanned surface vehicle. <i>Energy</i> , 2018, 148, 362-372.   | 8.8  | 29        |
| 9  | Experimental evaluation of a hydrography surface vehicle in four navigation modes. <i>Journal of Ocean Engineering and Science</i> , 2017, 2, 127-136.   | 4.3  | 16        |
| 10 | 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        |
| 11 | Evaluation of properties of bast fiber extracted from <i>Calotropis</i> (Millkweed) by a new decorticator machine and manual methods. <i>Industrial Crops and Products</i> , 2016, 83, 545-550.                    | 5.2  | 8         |
| 12 | 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        |
| 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 | 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        |
| 15 | Design, construction and evaluation of a fiber extracting machine from <i>Calotropis</i> (milkweed) stems. <i>Engineering in Agriculture, Environment and Food</i> , 2015, 8, 88-94.                               | 0.5  | 3         |
| 16 | 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        |
| 17 | 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       |
| 18 | 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        |

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|----|--|------|-----------|
| 19 | Prediction of potato yield based on energy inputs using multi-layer adaptive neuro-fuzzy inference system. Measurement: Journal of the International Measurement Confederation, 2014, 47, 521-530. | 5.0  | 58        |
| 20 | Prognostication of environmental indices in potato production using artificial neural networks. Journal of Cleaner Production, 2013, 52, 402-409.  | 9.3  | 71        |
| 21 | Reduction of CO2 emission by improving energy use efficiency of a greenhouse cucumber production using DEA approach. Energy, 2013, 55, 676-682.  | 8.8  | 113       |
| 22 | Applying data envelopment analysis approach to improve energy efficiency and reduce GHG (greenhouse gas) emission of wheat production. Energy, 2013, 58, 588-593.                                  | 8.8  | 97        |
| 23 | A technical review on navigation systems of agricultural autonomous off-road vehicles. Journal of Terramechanics, 2013, 50, 211-232.   | 3.1  | 141       |
| 24 | Environmental impact assessment of open field and greenhouse strawberry production. European Journal of Agronomy, 2013, 50, 29-37.   | 4.1  | 97        |
| 25 | Life-cycle assessment of a Solar Assist Plug-in Hybrid electric Tractor (SAPHT) in comparison with a conventional tractor. Energy Conversion and Management, 2011, 52, 1700-1710.                  | 9.2  | 37        |
| 26 | 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         |
| 27 | 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        |
| 28 | Sustainability in Agricultural Mechanization: Assessment of a Combined Photovoltaic and Electric Multipurpose System for Farmers. Sustainability, 2009, 1, 1042-1068.                              | 3.2  | 5         |
| 29 | Environmental assessment of RAMseS multipurpose electric vehicle compared to a conventional combustion engine vehicle. Journal of Cleaner Production, 2009, 17, 781-790.                           | 9.3  | 42        |
| 30 | Technical and economical assessment of a multipurpose electric vehicle for farmers. Journal of Cleaner Production, 2009, 17, 1556-1562.  | 9.3  | 25        |
| 31 | A review of principle and sun-tracking methods for maximizing solar systems output. Renewable and Sustainable Energy Reviews, 2009, 13, 1800-1818.   | 16.4 | 654       |