

Awsan Mohammed

List of Publications by Year in descending order

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16
papers

238
citations

1307594

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1058476

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16
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142
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A tabu search based algorithm for the optimal design of multi-objective multi-product supply chain networks. Expert Systems With Applications, 2020, 140, 112808. | 7.6 | 49 |
| 2 | Optimization of a solar-wind- grid powered desalination system in Saudi Arabia. Renewable Energy, 2021, 178, 295-306. | 8.9 | 37 |
| 3 | Multi-objective optimization of a photovoltaic-wind- grid connected system to power reverse osmosis desalination plant. Energy, 2022, 251, 123888. | 8.8 | 33 |
| 4 | A multi-objective optimization model for sizing decisions of a grid-connected photovoltaic system. Energy, 2021, 229, 120730. | 8.8 | 21 |
| 5 | Impact of Industry 4.0 and Lean Manufacturing on the Sustainability Performance of Plastic and Petrochemical Organizations in Saudi Arabia. Sustainability, 2021, 13, 11252. | 3.2 | 18 |
| 6 | Deploying Municipal Solid Waste Management 3R-WTE Framework in Saudi Arabia: Challenges and Future. Sustainability, 2020, 12, 5711. | 3.2 | 17 |
| 7 | A regression-based model for estimating the energy consumption of school facilities in Saudi Arabia. Energy and Buildings, 2021, 237, 110809. | 6.7 | 17 |
| 8 | The Role of Blockchain in Improving the Processes and Workflows in Construction Projects. Applied Sciences (Switzerland), 2021, 11, 8835. | 2.5 | 7 |
| 9 | An integrated decision support system for mobile crane selection. Expert Systems With Applications, 2022, 189, 116053. | 7.6 | 7 |
| 10 | Operational Energy and Carbon Cost Assessment Model for Family Houses in Saudi Arabia. Sustainability, 2022, 14, 1278. | 3.2 | 7 |
| 11 | An Optimization Model for Sizing a Hybrid Photovoltaic-Wind-Grid-Connected System in Saudi Arabia. Process Integration and Optimization for Sustainability, 2022, 6, 1027-1042. | 2.6 | 7 |
| 12 | Two-machine scheduling with aging effects and variable maintenance activities. Computers and Industrial Engineering, 2021, 160, 107586. | 6.3 | 6 |
| 13 | Reliability-Based Preventive Maintenance Strategy of Truck Unloading Systems. Applied Sciences (Switzerland), 2020, 10, 6957. | 2.5 | 5 |
| 14 | Performance evaluation and feasibility analysis of 10 kWp PV system for residential buildings in Saudi Arabia. Sustainable Energy Technologies and Assessments, 2022, 51, 101920. | 2.7 | 5 |
| 15 | A Meta-Heuristic Algorithm Based on Simulated Annealing for Designing Multi-Objective Supply Chain Systems. , 2019, , , | | 1 |
| 16 | A neural network-based model for estimating the delivery time of oxygen gas cylinders during COVID-19 pandemic. Neural Computing and Applications, 2022, , 1-19. | 5.6 | 1 |