

# Mohamed A Eltawil

## List of Publications by Year in descending order

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25  
papers

3,021  
citations

430442

18  
h-index

580395

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2601  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Grid-connected photovoltaic power systems: Technical and potential problems—A review. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 112-129.  | 8.2 | 803       |
| 2  | A review of renewable energy technologies integrated with desalination systems. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2245-2262.  | 8.2 | 409       |
| 3  | MPPT techniques for photovoltaic applications. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 25, 793-813.   | 8.2 | 367       |
| 4  | Enhancing the solar still performance using solar photovoltaic, flat plate collector and hot air. <i>Desalination</i> , 2014, 349, 1-9.   | 4.0 | 161       |
| 5  | Energy and exergy analysis of solar stills with micro/nano particles: A comparative study. <i>Energy Conversion and Management</i> , 2018, 177, 363-375.  | 4.4 | 159       |
| 6  | A new hybrid desalination system using wicks/solar still and evacuated solar water heater. <i>Desalination</i> , 2013, 325, 56-64.  | 4.0 | 146       |
| 7  | A hybrid desalination system using humidification-dehumidification and solar stills integrated with evacuated solar water heater. <i>Energy Conversion and Management</i> , 2016, 124, 287-296.   | 4.4 | 136       |
| 8  | Performance enhancement of stepped double slope solar still by using nanoparticles and linen wicks: Energy, exergy and economic analysis. <i>Applied Thermal Engineering</i> , 2020, 174, 115278. | 3.0 | 115       |
| 9  | Energy analysis of hybrid solar tunnel dryer with PV system and solar collector for drying mint ( <i>Mentha Viridis</i> ). <i>Journal of Cleaner Production</i> , 2018, 181, 352-364.             | 4.6 | 109       |
| 10 | Hybrid of solar dish concentrator, new boiler and simple solar collector for brackish water desalination. <i>Desalination</i> , 2013, 326, 62-68.   | 4.0 | 96        |
| 11 | Solar PV powered mixed-mode tunnel dryer for drying potato chips. <i>Renewable Energy</i> , 2018, 116, 594-605.   | 4.3 | 86        |
| 12 | Improving the performance of solar still using different heat localization materials. <i>Environmental Science and Pollution Research</i> , 2020, 27, 12332-12344.                                | 2.7 | 77        |
| 13 | Influence of basin metals and novel wick-metal chips pad on the thermal performance of solar desalination process. <i>Journal of Cleaner Production</i> , 2020, 248, 119224.                      | 4.6 | 70        |
| 14 | Wind turbine-inclined still collector integration with solar still for brackish water desalination. <i>Desalination</i> , 2009, 249, 490-497.   | 4.0 | 69        |
| 15 | Exergoeconomic and environmental analysis of seawater desalination system augmented with nanoparticles and cotton hung pad. <i>Journal of Cleaner Production</i> , 2020, 248, 119180.             | 4.6 | 62        |
| 16 | Thermal analysis of PV system and solar collector integrated with greenhouse dryer for drying tomatoes. <i>Energy</i> , 2020, 212, 118764.  | 4.5 | 43        |
| 17 | Enhancing the double-slope solar still performance using simple solar collector and floatable black wicks. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35078-35098.           | 2.7 | 29        |
| 18 | Performance evaluation of three control strategies for three-level neutral point clamped PWM rectifier. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2008, , .               | 0.0 | 19        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Design and control of a three-phase grid-connected photovoltaic system with developed maximum power point tracking. IEEE Applied Power Electronics Conference and Exposition, 2008, , . | 0.0 | 18        |
| 20 | Utilisation of solar photovoltaic pumping for aeration systems in aquaculture ponds. International Journal of Sustainable Energy, 2016, 35, 629-644.                                    | 1.3 | 13        |
| 21 | Optimization Design of High-Voltage-Balancing Circuit Based on the Functional Model of IGCT. IEEE Transactions on Industrial Electronics, 2007, 54, 3012-3021.                          | 5.2 | 10        |
| 22 | Performance Evaluation of Switch Devices Equipped in High-Power Three-Level Inverters. IEEE Transactions on Industrial Electronics, 2007, 54, 2993-3000.                                | 5.2 | 8         |
| 23 | Design of a solar PV powered variable frequency drive for a bubbler irrigation system in palm trees fields. Chemical Engineering Research and Design, 2021, 152, 140-153.               | 2.7 | 7         |
| 24 | Design a novel air to water pressure amplifier powered by PV system for reverse osmosis desalination. Renewable and Sustainable Energy Reviews, 2022, 160, 112295.                      | 8.2 | 7         |
| 25 | Innovative extraction process for date fruits syrup (Dibs) using electro-thermal solar energy. Solar Energy, 2021, 221, 521-535.  | 2.9 | 2         |