

# Chiemeka Onyeka Okoye

## List of Publications by Year in descending order

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18  
papers

904  
citations

567281

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839539

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docs citations

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times ranked

801  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Solar energy potentials in strategically located cities in Nigeria: Review, resource assessment and PV system design. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 550-566. | 16.4 | 105       |
| 2  | Technical and economic assessment of fixed, single and dual-axis tracking PV panels in low latitude countries. <i>Renewable Energy</i> , 2017, 113, 563-579.                               | 8.9  | 105       |
| 3  | Optimal sizing of stand-alone photovoltaic systems in residential buildings. <i>Energy</i> , 2017, 126, 573-584.   | 8.8  | 81        |
| 4  | The effect of latitude on the performance of different solar trackers in Europe and Africa. <i>Applied Energy</i> , 2016, 177, 896-906.  | 10.1 | 75        |
| 5  | Economic feasibility of solar PV system for rural electrification in Sub-Sahara Africa. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2537-2547.                             | 16.4 | 70        |
| 6  | Optimal sizing of storage tanks in domestic rainwater harvesting systems: A linear programming approach. <i>Resources, Conservation and Recycling</i> , 2015, 104, 131-140.                | 10.8 | 64        |
| 7  | Manufacturing of carbon black from spent tyre pyrolysis oil – A literature review. <i>Journal of Cleaner Production</i> , 2021, 279, 123336.   | 9.3  | 64        |
| 8  | Technical and economic analysis of wind energy potential in Uzbekistan. <i>Journal of Cleaner Production</i> , 2019, 223, 801-814.   | 9.3  | 62        |
| 9  | A parametric study on the feasibility of solar chimney power plants in North Cyprus conditions. <i>Energy Conversion and Management</i> , 2014, 80, 178-187.                               | 9.2  | 61        |
| 10 | The performance and ranking pattern of PV systems incorporated with solar trackers in the northern hemisphere. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 97, 138-151.        | 16.4 | 42        |
| 11 | Evaluating the solar resource potential on different tracking surfaces in Nigeria. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1569-1581.                                  | 16.4 | 37        |
| 12 | Performance analysis of a solar chimney power plant for rural areas in Nigeria. <i>Renewable Energy</i> , 2017, 104, 96-108.   | 8.9  | 32        |
| 13 | Assessing the feasibility of wind energy as a power source in Turkmenistan; a major opportunity for Central Asia's energy market. <i>Energy</i> , 2019, 183, 415-427.                      | 8.8  | 29        |
| 14 | A new economic feasibility approach for solar chimney power plant design. <i>Energy Conversion and Management</i> , 2016, 126, 1013-1027.  | 9.2  | 27        |
| 15 | An investigation into the preparation of carbon black by partial oxidation of spent tyre pyrolysis oil. <i>Waste Management</i> , 2022, 137, 110-120.                                      | 7.4  | 17        |
| 16 | Preparation and characterization of carbon black (CB) using heavy residue fraction of spent tyre pyrolysis oil. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106561.    | 6.7  | 15        |
| 17 | The transformation and fate of sulphur during CO <sub>2</sub> gasification of a spent tyre pyrolysis char. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 3891-3898.           | 3.9  | 11        |
| 18 | Transformation and fate of sulphur during steam gasification of a spent tyre pyrolysis char. <i>Fuel</i> , 2022, 321, 124091.  | 6.4  | 7         |