

Abdullahi Mas'ud

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

697
citations

567281

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552781

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g-index

46
all docs

46
docs citations

46
times ranked

740
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Application of the Theory of Planned Behavior in Autonomous Vehicle-Pedestrian Interaction. Applied Sciences (Switzerland), 2022, 12, 2574. | 2.5 | 11 |
| 2 | Experimental investigation of different cavity arrangements in the high voltage solid insulation systems. Journal of Applied Hematology, 2022, 19, . | 0.3 | 1 |
| 3 | Design and Optimization of a Grid-Connected Solar Energy System: Study in Iraq. Sustainability, 2022, 14, 8121. | 3.2 | 6 |
| 4 | A review of building integrated photovoltaic: case study of tropical climatic regions. International Journal of Power Electronics and Drive Systems, 2021, 12, 474. | 0.6 | 1 |
| 5 | Application of the Gaussian Mixture Model to Classify Stages of Electrical Tree Growth in Epoxy Resin. Sensors, 2021, 21, 2562. | 3.8 | 4 |
| 6 | Optimum Configuration of a Renewable Energy System Using Multi-Year Parameters and Advanced Battery Storage Modules: A Case Study in Northern Saudi Arabia. Sustainability, 2021, 13, 5123. | 3.2 | 17 |
| 7 | Application and Suitability of Polymeric Materials as Insulators in Electrical Equipment. Energies, 2021, 14, 2758. | 3.1 | 23 |
| 8 | Rotating blade faults classification of a rotor-disk-blade system using artificial neural network. International Journal of Power Electronics and Drive Systems, 2021, 12, 1900. | 0.6 | 0 |
| 9 | Design and economic assessment of alternative renewable energy systems using capital cost projections: A case study for Saudi Arabia. Sustainable Energy Technologies and Assessments, 2021, 48, 101675. | 2.7 | 7 |
| 10 | Assessment of the RACPC Performance under Diffuse Radiation for Use in BIPV System. Applied Sciences (Switzerland), 2020, 10, 3552. | 2.5 | 2 |
| 11 | Life Cycle Assessment of a Rotationally Asymmetrical Compound Parabolic Concentrator (RACPC). Sustainability, 2020, 12, 4750. | 3.2 | 4 |
| 12 | Finite Element Analysis models for numerical simulation of partial discharges in spherical cavities within solid dielectrics: a review and a novel method. High Voltage, 2020, 5, 556-568. | 4.7 | 14 |
| 13 | Assessment of off-shore wind turbines for application in Saudi Arabia. International Journal of Electrical and Computer Engineering, 2020, 10, 4507. | 0.7 | 2 |
| 14 | Using Static Concentrator Technology to Achieve Global Energy Goal. Sustainability, 2019, 11, 3056. | 3.2 | 15 |
| 15 | Development of a Control System for a Domestic Grid-Connected Wind Turbine. Journal of Computational and Theoretical Nanoscience, 2019, 16, 2249-2258. | 0.4 | 0 |
| 16 | A Pilot Study of Malnutrition Among Elderly in a Malaysia Elderly Care Centre - Part I: Assessment of Handgrip Strength Measurement. , 2018, , . | | 0 |
| 17 | Simulating the Annual Energy Yield of a Rotationally Asymmetrical Optical Concentrator. , 2018, , . | | 0 |
| 18 | Behavior of an Inductive Loop Sensor in the Measurement of Partial Discharge Pulses with Variations in Its Separation from the Primary Conductor. Sensors, 2018, 18, 2324. | 3.8 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Annual Prediction Output of an RADTIRC-PV Module. <i>Energies</i> , 2018, 11, 544. | 3.1 | 2 |
| 20 | Solar Energy Potentials and Benefits in the Gulf Cooperation Council Countries: A Review of Substantial Issues. <i>Energies</i> , 2018, 11, 372. | 3.1 | 41 |
| 21 | Nuclear Energy Development in Bangladesh: A Study of Opportunities and Challenges. <i>Energies</i> , 2018, 11, 1672. | 3.1 | 35 |
| 22 | Polymeric Materials for Conversion of Electromagnetic Waves from the Sun to Electric Power. <i>Polymers</i> , 2018, 10, 307. | 4.5 | 9 |
| 23 | A preliminary study on the hand grip and pinch strength among adults in an indigenous people community in royal belum Forest, Malaysia. , 2017, , . | | 1 |
| 24 | An Ensemble-Boosting Algorithm for Classifying Partial Discharge Defects in Electrical Assets. <i>Machines</i> , 2017, 5, 18. | 2.2 | 12 |
| 25 | Wind Power Potentials in Cameroon and Nigeria: Lessons from South Africa. <i>Energies</i> , 2017, 10, 443. | 3.1 | 21 |
| 26 | Comparison of the Performance of Artificial Neural Networks and Fuzzy Logic for Recognizing Different Partial Discharge Sources. <i>Energies</i> , 2017, 10, 1060. | 3.1 | 32 |
| 27 | Comparison of Artificial Neural Network and Multiple Regression for Partial Discharge Sources Recognition. , 2017, , . | | 0 |
| 28 | The Application of Homer Optimization Software to Investigate the Prospects of Hybrid Renewable Energy System in Rural Communities of Sokoto in Nigeria. <i>International Journal of Electrical and Computer Engineering</i> , 2017, 7, 596. | 0.7 | 17 |
| 29 | Potential of Implementing the Low Concentration Photovoltaic Systems in the United Kingdom. <i>International Journal of Electrical and Computer Engineering</i> , 2017, 7, 1398. | 0.7 | 4 |
| 30 | Frequency Dependence of Electroluminescence Measurement in LDPE. <i>International Journal of Electrical and Computer Engineering</i> , 2017, 7, 1406. | 0.7 | 1 |
| 31 | On the Use of Monopole Antennas for Determining the Effect of the Enclosure of a Power Transformer Tank in Partial Discharges Electromagnetic Propagation. <i>Sensors</i> , 2016, 16, 148. | 3.8 | 42 |
| 32 | Artificial Neural Network Application for Partial Discharge Recognition: Survey and Future Directions. <i>Energies</i> , 2016, 9, 574. | 3.1 | 54 |
| 33 | A review on the recent progress made on solar photovoltaic in selected countries of sub-Saharan Africa. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 441-452. | 16.4 | 44 |
| 34 | Effect of diffuse radiation on the performance of a rotationally asymmetrical optical concentrator. , 2016, , . | | 1 |
| 35 | An investigative study into the sensitivity of different partial discharge Ĩ-q-n pattern resolution sizes on statistical neural network pattern classification. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 92, 497-507. | 5.0 | 21 |
| 36 | Software simulation and experimental characterisation of a rotationally asymmetrical concentrator under direct and diffuse solar radiation. <i>Energy Conversion and Management</i> , 2016, 122, 223-238. | 9.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Performance analysis of a solar window incorporating a novel rotationally asymmetrical concentrator. Energy, 2016, 99, 181-192. | 8.8 | 12 |
| 38 | Statistical error tolerances of partial discharge recognition rates. , 2015, , . | | 0 |
| 39 | Relay Selection with Limited and Noisy Feedback. , 2015, , . | | 2 |
| 40 | An assessment of renewable energy readiness in Africa: Case study of Nigeria and Cameroon. Renewable and Sustainable Energy Reviews, 2015, 51, 775-784. | 16.4 | 60 |
| 41 | Performance analysis of a novel rotationally asymmetrical compound parabolic concentrator. Applied Energy, 2015, 154, 221-231. | 10.1 | 47 |
| 42 | Optimisation of the performance of a novel rotationally asymmetrical optical concentrator design for building integrated photovoltaic system. Energy, 2015, 90, 1033-1045. | 8.8 | 19 |
| 43 | Renewable energy potentials in Cameroon: Prospects and challenges. Renewable Energy, 2015, 76, 560-565. | 8.9 | 53 |
| 44 | Application of an ensemble neural network for classifying partial discharge patterns. Electric Power Systems Research, 2014, 110, 154-162. | 3.6 | 35 |
| 45 | Linear quadratic optimal control of a DC motor. , 2013, , . | | 0 |
| 46 | Nonlinear control of a DC motor. , 2013, , . | | 0 |