

Nouruddeen Bashir

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,562
citations

623734

14
h-index

610901

24
g-index

53
all docs

53
docs citations

53
times ranked

1910
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Harmonic Components Analysis of Emitted Ultraviolet Signals of Aged Transmission Line Insulators under Different Surface Discharge Intensities. <i>Sensors</i> , 2022, 22, 722. | 3.8 | 4 |
| 2 | Surface Discharge Analysis of High Voltage Glass Insulators Using Ultraviolet Pulse Voltage. <i>Energies</i> , 2019, 12, 204. | 3.1 | 6 |
| 3 | Moisture effect on conductivity of kraft paper immersed in power transformer vegetable-based insulation oils. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 2269-2274. | 2.5 | 11 |
| 4 | Investigating the Influence of Plasma-Treated SiO ₂ Nanofillers on the Electrical Treeing Performance of Silicone-Rubber. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 348. | 2.5 | 13 |
| 5 | Temperature Effect on Electrical Treeing and Partial Discharge Characteristics of Silicone Rubber-Based Nanocomposites. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-13. | 2.7 | 11 |
| 6 | A review on hybrid wavelet regrouping particle swarm optimization neural networks for characterization of partial discharge acoustic signals. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 45, 20-35. | 16.4 | 13 |
| 7 | Overuse of wood-based bioenergy in selected sub-Saharan Africa countries: review of unconstructive challenges and suggestions. <i>Journal of Cleaner Production</i> , 2015, 96, 501-519. | 9.3 | 31 |
| 8 | Experimental investigation on partial discharge characteristics of epoxy-nanocomposite as high voltage insulation material. , 2014, , . | | 2 |
| 9 | Partial discharge characteristics of palm fatty acid ester (PFAE) as high voltage insulating material. , 2014, , . | | 6 |
| 10 | Modeling of polymer nanocomposites: Permittivity vs. electric field intensity. , 2014, , . | | 5 |
| 11 | Potential energy saving for student dormitories: A case study at Institut Latihan Perindustrian (ILP) Pasir Gudang, Jabatan Tenaga Manusia, Malaysia. , 2014, , . | | 1 |
| 12 | Performance of biodegradable insulating oil under accelerated thermal ageing. , 2014, , . | | 5 |
| 13 | Techno-economic analysis of hybrid photovoltaic/diesel/battery off-grid system in northern Nigeria. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, . | 2.0 | 16 |
| 14 | A comparative study on the effect of electrical ageing on electrical properties of palm fatty acid ester (PFAE) and FR3 as dielectric materials. , 2014, , . | | 7 |
| 15 | Hybrid renewable energy systems for off-grid electric power: Review of substantial issues. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 35, 527-539. | 16.4 | 212 |
| 16 | Energy storage systems for renewable energy power sector integration and mitigation of intermittency. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 35, 499-514. | 16.4 | 419 |
| 17 | Effect of moisture on breakdown voltage and structure of palm based insulation oils. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014, 21, 2119-2126. | 2.9 | 48 |
| 18 | Wetting characteristics for kraft paper immersed in mineral and biodegradable insulation oils. , 2014, , . | | 7 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Sustainable potential of bioenergy resources for distributed power generation development in Nigeria. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 361-370. | 16.4 | 33 |
| 20 | Study on the effectiveness of lightning rod tips in capturing lightning leaders. <i>Electrical Engineering</i> , 2013, 95, 367-381. | 2.0 | 14 |
| 21 | Power sector renewable energy integration for expanding access to electricity in sub-Saharan Africa. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 25, 630-642. | 16.4 | 98 |
| 22 | Status of renewable energy consumption and developmental challenges in Sub-Sahara Africa. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 453-463. | 16.4 | 121 |
| 23 | Design of HV switching for polarization & depolarization current measurement. , 2013, , . | | 3 |
| 24 | Insulating properties of vegetable oils and their blends. , 2013, , . | | 4 |
| 25 | Electrical treeing initiation and propagation in silicone rubber nanocomposites. , 2013, , . | | 3 |
| 26 | Biogenic waste methane emissions and methane optimization for bioelectricity in Nigeria. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 25, 643-654. | 16.4 | 29 |
| 27 | An overview of agricultural biomass for decentralized rural energy in Ghana. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 20, 15-25. | 16.4 | 112 |
| 28 | Renewable energy resources for distributed power generation in Nigeria: A review of the potential. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 22, 257-268. | 16.4 | 124 |
| 29 | Polarization & depolarization current (PDC) measurement in cellulose insulating materials. , 2013, , . | | 2 |
| 30 | Introducing the Hybrid-DGA Interpretation software as an effective power transformer management tool. , 2013, , . | | 3 |
| 31 | Temperature dependance of PD from electrical trees grown in silicone rubber based nanocomposites. , 2013, , . | | 3 |
| 32 | The effect of electrical ageing on electrical properties of palm fatty acid ester (PFAE) and FR3 as dielectric materials. , 2013, , . | | 5 |
| 33 | Atmospheric Electric Field Data Logger System. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 64, . | 0.4 | 2 |
| 34 | Thermal Image and Leakage Current Diagnostic as a Tool for Testing and Condition Monitoring of ZnO Surge Arrester. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 64, . | 0.4 | 5 |
| 35 | Statistical Analysis of Electrical Tree Inception Voltage, Breakdown Voltage and Tree Breakdown Time Data of Unsaturated Polyester Resin. <i>Journal of Electrical Engineering and Technology</i> , 2013, 8, 840-849. | 2.0 | 4 |
| 36 | Electrical Tree Growth in Silicone Rubber/Organo-Montmorillonite Nanocomposites under AC Ramp Voltage. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 64, . | 0.4 | 0 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Organo-montmorillonite as an electrical treeing retardant for polymeric insulating materials. , 2012, , . | | 8 |
| 38 | Effects of oil palm empty fruit bunch filler on electrical tree propagation in Epoxy resin. , 2012, , . | | 2 |
| 39 | Electrical treeing in silicone rubber/organo-montmorillonite. , 2012, , . | | 7 |
| 40 | Improving accuracy of DGA interpretation of oil-filled power transformers needed for effective condition monitoring. , 2012, , . | | 12 |
| 41 | Asset management through effective transformer diagnostics & condition monitoring. , 2012, , . | | 4 |
| 42 | Electrical performance of silicone rubber / organo-montmorillonite nanocomposites under high voltage application. , 2012, , . | | 3 |
| 43 | A New Statistical Approach for Analysis of Tree Inception Voltage of Silicone Rubber and Epoxy Resin under AC Ramp Voltage. International Journal on Electrical Engineering and Informatics, 2012, 4, 27-39. | 0.5 | 9 |
| 44 | Statistical study on tree inception voltage of silicone rubber and epoxy resin. , 2011, , . | | 7 |
| 45 | Induced voltage on objects under six-phase transmission line. , 2011, , . | | 7 |
| 46 | Ageing studies on transmission line glass insulators using dielectric dissipation factor test. , 2010, , . | | 8 |
| 47 | Odd harmonics and third to fifth harmonic ratios of leakage currents as diagnostic tools to study the ageing of glass insulators. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 819-832. | 2.9 | 49 |
| 48 | Leakage current harmonic components: Indexes to insulator ageing. , 2009, , . | | 0 |
| 49 | A neural network based method for the diagnosis of ageing insulators. , 2009, , . | | 2 |
| 50 | Harmonic components of leakage current as a diagnostic tool to study the aging of insulators. Journal of Electrostatics, 2008, 66, 156-164. | 1.9 | 45 |
| 51 | Ageing of transmission line insulators: The past, present and future. , 2008, , . | | 11 |
| 52 | Diagnosis of XLPE Cable using the Recovery Voltage Measurement Method. , 2007, , . | | 5 |
| 53 | Comparative Study on Effect of Temperature & Moisture on Transformer Insulation Conductivity. Applied Mechanics and Materials, 0, 284-287, 1126-1130. | 0.2 | 1 |