

Nouruddeen Bashir

List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	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
6	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
7	Odd harmonics and third to fifth harmonic ratios of leakage currents as diagnostic tools to study the ageing of glass insulators. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2010, 17, 819-832.	2.9	49
8	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
9	Harmonic components of leakage current as a diagnostic tool to study the aging of insulators. <i>Journal of Electrostatics</i> , 2008, 66, 156-164.	1.9	45
10	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
11	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
12	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
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	Study on the effectiveness of lightning rod tips in capturing lightning leaders. <i>Electrical Engineering</i> , 2013, 95, 367-381.	2.0	14
15	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
16	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
17	Improving accuracy of DGA interpretation of oil-filled power transformers needed for effective condition monitoring. , 2012, , .		12
18	Ageing of transmission line insulators: The past, present and future. , 2008, , .		11

#	ARTICLE	IF	CITATIONS
19	Temperature Effect on Electrical Treeing and Partial Discharge Characteristics of Silicone Rubber-Based Nanocomposites. Journal of Nanomaterials, 2015, 2015, 1-13.	2.7	11
20	Moisture effect on conductivity of kraft paper immersed in power transformer vegetable-based insulation oils. IET Generation, Transmission and Distribution, 2017, 11, 2269-2274.	2.5	11
21	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
22	Ageing studies on transmission line glass insulators using dielectric dissipation factor test. , 2010, , .		8
23	Organo-montmorillonite as an electrical treeing retardant for polymeric insulating materials. , 2012, , .		8
24	Statistical study on tree inception voltage of silicone rubber and epoxy resin. , 2011, , .		7
25	Induced voltage on objects under six-phase transmission line. , 2011, , .		7
26	Electrical treeing in silicone rubber/organo-montmorillonite. , 2012, , .		7
27	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
28	Wetting characteristics for kraft paper immersed in mineral and biodegradable insulation oils. , 2014, , .		7
29	Partial discharge characteristics of palm fatty acid ester (PFAE) as high voltage insulating material. , 2014, , .		6
30	Surface Discharge Analysis of High Voltage Glass Insulators Using Ultraviolet Pulse Voltage. Energies, 2019, 12, 204.	3.1	6
31	Diagnosis of XLPE Cable using the Recovery Voltage Measurement Method. , 2007, , .		5
32	The effect of electrical ageing on electrical properties of palm fatty acid ester (PFAE) and FR3 as dielectric materials. , 2013, , .		5
33	Thermal Image and Leakage Current Diagnostic as a Tool for Testing and Condition Monitoring of ZnO Surge Arrester. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	5
34	Modeling of polymer nanocomposites: Permittivity vs. electric field intensity. , 2014, , .		5
35	Performance of biodegradable insulating oil under accelerated thermal ageing. , 2014, , .		5
36	Asset management through effective transformer diagnostics & condition monitoring. , 2012, , .		4

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37	Insulating properties of vegetable oils and their blends. , 2013, , .		4
38	Statistical Analysis of Electrical Tree Inception Voltage, Breakdown Voltage and Tree Breakdown Time Data of Unsaturated Polyester Resin. Journal of Electrical Engineering and Technology, 2013, 8, 840-849.	2.0	4
39	Harmonic Components Analysis of Emitted Ultraviolet Signals of Aged Transmission Line Insulators under Different Surface Discharge Intensities. Sensors, 2022, 22, 722.	3.8	4
40	Electrical performance of silicone rubber / organo-montmorillonite nanocomposites under high voltage application. , 2012, , .		3
41	Design of HV switching for polarization & depolarization current measurement. , 2013, , .		3
42	Electrical treeing initiation and propagation in silicone rubber nanocomposites. , 2013, , .		3
43	Introducing the Hybrid-DGA Interpretation software as an effective power transformer management tool. , 2013, , .		3
44	Temperature dependance of PD from electrical trees grown in silicone rubber based nanocomposites. , 2013, , .		3
45	A neural network based method for the diagnosis of ageing insulators. , 2009, , .		2
46	Effects of oil palm empty fruit bunch filler on electrical tree propagation in Epoxy resin. , 2012, , .		2
47	Polarization & depolarization current (PDC) measurement in cellulose insulating materials. , 2013, , .		2
48	Atmospheric Electric Field Data Logger System. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	2
49	Experimental investigation on partial discharge characteristics of epoxy-nanocomposite as high voltage insulation material. , 2014, , .		2
50	Comparative Study on Effect of Temperature & Moisture on Transformer Insulation Conductivity. Applied Mechanics and Materials, 0, 284-287, 1126-1130.	0.2	1
51	Potential energy saving for student dormitories: A case study at Institut Latihan Perindustrian (ILP) Pasir Gudang, Jabatan Tenaga Manusia, Malaysia. , 2014, , .		1
52	Leakage current harmonic components: Indexes to insulator ageing. , 2009, , .		0
53	Electrical Tree Growth in Silicone Rubber/Organo-Montmorillonite Nanocomposites under AC Ramp Voltage. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	0