

Niharika Baruah

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

141
citations

1937685

4
h-index

1872680

6
g-index

21
all docs

21
docs citations

21
times ranked

85
citing authors

#	ARTICLE	IF	CITATIONS
1	Condition Assessment of Aged Ester-Based Nanofluid Through Physicochemical and Spectroscopic Measurement. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4853-4863.	4.7	36
2	Comparative study of mechanical and electrical strength of kraft paper in nanofluid based transformer oil and mineral oil. , 2017, , .		23
3	Performance analysis of vegetable oilâ€based nanofluids used in transformers. IET Science, Measurement and Technology, 2019, 13, 995-1002.	1.6	21
4	Effect of oxidative ageing on the thermophysical and electrical properties of the nanofluid with statistical analysis of AC breakdown voltage. IET Science, Measurement and Technology, 2018, 12, 1074-1081.	1.6	14
5	Quantitative Effect of Aging Duration on Dielectric Parameters Based on Frequency Response. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	10
6	Investigation of the Electric Field variation on surface of nanoparticle added to transformer oil. , 2018, , .		5
7	Enhancement of Heat Transfer property in Insulating fluids using Nanoparticles. , 2018, , .		5
8	Behavioural assessment of aged natural ester based nanofluid using statistical technique. , 2019, , .		4
9	Electrohydrodynamics Analysis of Dielectric 2D Nanofluids. Nanomaterials, 2022, 12, 1489.	4.1	4
10	Nanoparticle Polarization Effect on the Permittivity of the Dielectric Liquid. , 2019, , .		3
11	Implementation of Self-Organizing Map and Logistic Regression in Dissolved Gas Analysis of Transformer oils. , 2021, , .		3
12	Dissolved Gas Analysis (DGA) of Thermally Aged Blended Transformer Oil. , 2020, , .		3
13	Nanofluid and Transformer Oil Impregnated Aged Kraft Paper: Analysis of its Mechanical Strength. , 2018, , .		2
14	Investigation of thermal conductivity of semiconducting nanofluid for transformer. , 2019, , .		2
15	Analysis of electric field in liquid dielectric on addition of nanoparticles. Materials Today: Proceedings, 2021, 43, 3603-3609.	1.8	2
16	Correlating UV Visible Spectral Response and Thermal Ageing of Blended Transformer Oil. , 2021, , .		2
17	Insulation Monitoring of Oxidative Aged Nonedible Ester Based Dielectric Fluid by Suitable Dissolved Gas Analysis. , 2019, , .		1
18	Comparison of Magnetic Nature of Vegetable Oil based Nanofluids. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Study of magnetic properties of mineral oil based nanofluids. , 2021, , .		0
20	Influence of Concentration of Nanoparticles on the Dielectric Frequency Response of an Insulating Nanofluid. , 2021, , .		0