

Surajit Chattopadhyay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/370834/publications.pdf>

Version: 2024-02-01

67
papers

437
citations

932766
10
h-index

794141
19
g-index

74
all docs

74
docs citations

74
times ranked

353
citing authors

#	ARTICLE	IF	CITATIONS
1	String Fault Detection in Solar Photo Voltaic Arrays. IETE Journal of Research, 2023, 69, 2670-2682.	1.8	1
2	Monitoring of Automotive Response Based on Starter Motor Fault. Algorithms for Intelligent Systems, 2022, , 295-302.	0.5	0
3	Fast Fourier transform and wavelet-based statistical computation during fault in snubber circuit connected with robotic brushless direct current motor. Cognitive Computation and Systems, 2022, 4, 31-44.	0.8	3
4	Haar-Wavelet-Based Statistical Scanning of Turn Fault in Vehicular Starter Motor. , 2022, 6, 1-4.		0
5	Energy-Efficient Cooling Scheme of Power Transformer: An Innovative Approach Using Solar and Waste Heat Energy Technology. Lecture Notes in Mechanical Engineering, 2021, , 201-208.	0.3	8
6	Skewness Scanning for Diagnosis of a Small Inter-Turn Fault in Quadcopter's Motor Based on Motor Current Signature Analysis. IEEE Sensors Journal, 2021, 21, 6952-6961.	2.4	7
7	Switching transient-based state of Ampere-hour prediction of lithium-ion, nickel-cadmium, nickel-metal-hydride and lead acid batteries used in vehicles. IET Nanodielectrics, 2021, 4, 121-129.	2.0	2
8	Guest editorial: Selected extended papers from the Michael Faraday IET International Summit"2020 Kolkata. IET Smart Grid, 2021, 4, 365-366.	1.5	0
9	Nano-materials for engineering application. IET Nanodielectrics, 2021, 4, 81-83.	2.0	1
10	Multi-Resolution-Analysis-based Line-to-Ground Fault Detection in a VSC-Based HVDC System. IETE Journal of Research, 2020, 66, 491-504.	1.8	8
11	Fault analysis in solar-wind microgrid using multi-resolution analysis and Stockwell transform-based statistical analysis. IET Science, Measurement and Technology, 2020, 14, 639-650.	0.9	7
12	Brush Fault Analysis for Indian DC Traction Locomotive Using DWT-Based Multi-resolution Analysis. Journal of the Institution of Engineers (India): Series B, 2020, 101, 335-345.	1.3	3
13	S-Transform Based Kurtosis Analysis for Detection of LG and LL Faults in 14 Bus Microgrid System. IETE Journal of Research, 2020, , 1-12.	1.8	2
14	Single and diagonal double thrust failure assessment of quad-copter at starting. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107591.	2.5	1
15	Discrete-Wavelet-Transform and Stockwell-Transform-Based Statistical Parameters Estimation for Fault Analysis in Grid-Connected Wind Power System. IEEE Systems Journal, 2020, 14, 4320-4328.	2.9	26
16	Line to Ground and Line to Line Fault Analysis in IEEE Standard 9 Bus System. Modelling, Measurement and Control A: General Physics, Electronics, Electrical Engineering, 2020, 93, 10-18.	0.4	3
17	Spider Chart based Pictographic Image Comparison in Walking Speed Estimation. , 2019, , .		1
18	FFT based Classification of Solar Photo Voltaic Microgrid System. , 2019, , .		28

#	ARTICLE	IF	CITATIONS
19	Sub-harmonics Based String Fault Assessment in Solar PV Arrays. Advances in Intelligent Systems and Computing, 2019, , 293-301.	0.5	21
20	FFT Based Harmonic Assessment of Line to Ground Fault in 14 Bus Microgrid System. Advances in Intelligent Systems and Computing, 2019, , 73-86.	0.5	1
21	Assessment of Discrimination Between Fault and Inrush Condition of Power Transformer by Radar Analysis and Wavelet Transform Based Kurtosis and Skewness Analysis. Advances in Intelligent Systems and Computing, 2019, , 191-203.	0.5	0
22	Fault Diagnosis in Isolated Renewable Energy Conversion System Using Skewness and Kurtosis Assessment. Advances in Intelligent Systems and Computing, 2019, , 57-71.	0.5	1
23	Measurement of walking speed from gait data using kurtosis and skewness based approximate and detailed coefficients. IET Science, Measurement and Technology, 2018, 12, 521-527.	0.9	2
24	Inter-turn short-circuit assessment of DC motor used in railway locomotive. IET Electric Power Applications, 2018, 12, 1272-1282.	1.1	3
25	Measurement of Walking Speed from EMG Signal using Kurtosis of Approximate Coefficients. Lecture Notes in Electrical Engineering, 2018, , 317-325.	0.3	2
26	Induction Motor Fault Diagnosis. Power Systems, 2016, , .	0.3	79
27	Induction Motor Fault Diagnosis: General Discussion and Research Scope. Power Systems, 2016, , 153-158.	0.3	4
28	Induction Motor and Faults. Power Systems, 2016, , 7-28.	0.3	14
29	Analytical Tools for Motor Fault Diagnosis. Power Systems, 2016, , 29-55.	0.3	7
30	Utilisation of skewness of wavelet-based approximate coefficient in walking speed assessment. IET Science, Measurement and Technology, 2016, 10, 977-982.	0.9	5
31	Assessment of saturated current transformer primary current by multi resolution analysis of its secondary current. , 2016, , .		1
32	Identification of faulty load bus in a multi-bus power system. , 2016, , .		0
33	Stator Winding Fault. Power Systems, 2016, , 105-135.	0.3	1
34	Broken Rotor Bar. Power Systems, 2016, , 57-78.	0.3	0
35	Rotor Mass Unbalance. Power Systems, 2016, , 79-104.	0.3	0
36	Single Phasing of an Induction Motor. Power Systems, 2016, , 137-146.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Crawling of an Induction Motor. Power Systems, 2016, , 147-151.	0.3	0
38	Steady state harmonic stability analysis in IEEE 14 bus system for fault at generator bus. , 2015, , .		0
39	Assessment Of Harmonic Voltage Angles In A Multi-Bus Power System During Symmetrical Fault At Certain Bus. , 2015, , .		2
40	Analysis of Electro-Cardiogram by Radar and DWT based Kurtosis Comparison. , 2015, , .		5
41	Radar Assessment of Wavelet decomposition based Skewness of ECG Signals. , 2015, , .		5
42	Skewness based voltage sag assessment in power systems. , 2015, , .		1
43	Estimation of harmonics on load flow in a multi-bus power system. , 2014, , .		1
44	Measurement of harmonic distortion and Skewness of stator current of induction motor at crawling in Clarke plane. IET Science, Measurement and Technology, 2014, 8, 528-536.	0.9	12
45	Harmonic power distortion measurement in Park Plane. Measurement: Journal of the International Measurement Confederation, 2014, 51, 197-205.	2.5	8
46	Analysis of stator current of induction motor used in transport system at single phasing by measuring phase angle, symmetrical components, Skewness, Kurtosis and harmonic distortion in Park plane. IET Electrical Systems in Transportation, 2014, 4, 1-8.	1.5	11
47	HARMONIC DISTORTION ASSESSMENT BY AREA BASED APPROACH AT SINGLE PHASING OF AN INDUCTION MOTOR. IIUM Engineering Journal, 2013, 14, .	0.5	0
48	Assessment of crawling of an induction motor by stator current Concordia analysis. Electronics Letters, 2012, 48, 841.	0.5	11
49	Symmetrical components and current Concordia based assessment of single phasing of an induction motor by feature pattern extraction method and radar analysis. International Journal of Electrical Power and Energy Systems, 2012, 37, 43-49.	3.3	14
50	Passivity and Activity Based Models of Polyphase System. Power Systems, 2011, , 159-175.	0.3	1
51	Electric Power Quality. Power Systems, 2011, , .	0.3	75
52	Electric Power Quality. Power Systems, 2011, , 5-12.	0.3	20
53	Clarke and Park Transform. Power Systems, 2011, , 89-96.	0.3	17
54	Harmonics Assessment by FPDM in Clarke and Park Planes. Power Systems, 2011, , 97-106.	0.3	0

#	ARTICLE	IF	CITATIONS
55	Transients Analysis. Power Systems, 2011, , 153-157.	0.3	0
56	Assessment of Power Components by FPEM and ABT. Power Systems, 2011, , 131-151.	0.3	0
57	Useful Tools for Harmonic Assessment. Power Systems, 2011, , 77-82.	0.3	0
58	Unbalance. Power Systems, 2011, , 13-15.	0.3	0
59	Harmonic Assessment by Area Based Technique in V-V and I-I Planes. Power Systems, 2011, , 107-114.	0.3	0
60	Harmonic Assessment by Area Based Technique in Clarke and Park Planes. Power Systems, 2011, , 115-129.	0.3	0
61	Sag, Swell, Interruption, Undervoltage and Overvoltage. Power Systems, 2011, , 39-42.	0.3	0
62	Transients. Power Systems, 2011, , 35-38.	0.3	0
63	DC Offset, Electric Noise, Voltage Fluctuation, Flicker and Power Frequency Variation. Power Systems, 2011, , 43-46.	0.3	0
64	Harmonics. Power Systems, 2011, , 17-34.	0.3	2
65	Harmonic Assessment using FPEM in V-V and I-I Planes. Power Systems, 2011, , 83-88.	0.3	0
66	Power quality assessment in V-V, Clarke and Park domain. , 2007, , .		4
67	An Adaptive Algorithm for Battery Charge Monitoring based on Frequency Domain Analysis. IETE Journal of Research, 0, , 1-11.	1.8	3