Nilesh G Chothani

List of Publications by Year
in descending order

23 papers	338 citations	840776 11 h-index	839539 18 g-index
24 all docs	24 docs citations	24 times ranked	193 citing authors

#	Article	IF	Citations
1	New support vector machine‐based digital relaying scheme for discrimination between power swing and fault. IET Generation, Transmission and Distribution, 2014, 8, 17-25.	2.5	48
2	Design and development of fault classification algorithm based on relevance vector machine for power transformer. IET Electric Power Applications, 2018, 12, 557-565.	1.8	39
3	New Algorithm for current transformer saturation detection and compensation based on derivatives of secondary currents and Newton's backward difference formulae. IET Generation, Transmission and Distribution, 2014, 8, 841-850.	2.5	37
4	Identification of internal fault against external abnormalities in power transformer using hierarchical ensemble extreme learning machine technique. IET Science, Measurement and Technology, 2020, 14, 111-121.	1.6	31
5	Sequence‐space‐aided SVM classifier for disturbance detection in series compensated transmission line. IET Science, Measurement and Technology, 2018, 12, 983-993.	1.6	27
6	Efficient CNN‐XGBoost technique for classification of power transformer internal faults against various abnormal conditions. IET Generation, Transmission and Distribution, 2021, 15, 972-985.	2.5	27
7	Discrimination of Inrush, Internal, and External Fault in Power Transformer Using Phasor Angle Comparison and Biased Differential Principle. Electric Power Components and Systems, 2018, 46, 788-801.	1.8	18
8	[2_TD$DIFF]Total Harmonic Distortion (THD) based discrimination of normal, inrush and fault conditions in power transformer. Renewable Energy Focus, 2021, 36, 43-55.	4.5	16
9	Distance Relaying with Power Swing Detection based on Voltage and Reactive Power Sensitivity. International Journal of Emerging Electric Power Systems, 2016, 17, 27-38.	0.8	13
10	Adaptive Algorithm for Distribution Transformer Protection to Improve Smart Grid Stability. International Journal of Emerging Electric Power Systems, 2018, 19, .	0.8	12
11	Adaptive quadrilateral distance relaying scheme for fault impedance compensation. Electrical, Control and Communication Engineering, 2018, 14, 58-70.	0.8	12
12	Development of an adaptive differential protection scheme for transformer during <scp>current transformer</scp> saturation and over‐fluxing condition. International Transactions on Electrical Energy Systems, 2021, 31, e12751.	1.9	11
13	HE-ELM Technique Based Transformer Protection. Power Systems, 2020, , 133-172.	0.5	8
14	Supervised relevance vector machine based dynamic disturbance classifier for series compensated transmission line. International Transactions on Electrical Energy Systems, 2021, 31, e12663.	1.9	7
15	Development and Testing of a New Modified Discrete Fourier Transform-based Algorithm for the Protection of Synchronous Generator. Electric Power Components and Systems, 2016, 44, 1564-1575.	1.8	6
16	Auto‐reclosing scheme with adaptive dead time control for extra‐high‐voltage transmission line. IET Science, Measurement and Technology, 2018, 12, 1001-1008.	1.6	6
17	Methodologies for the Detection of Magnetizing Inrush and Fault Condition in Power Transformer. , 2020, , .		6
18	Review of methodologies used for detection of magnetising inrush and fault conditions in power transformer. IET Energy Systems Integration, 2021, 3, 109-129.	1.8	5

#	Article	IF	Citations
19	Introduction to Power Transformer Protection. Power Systems, 2020, , 1-31.	0.5	5
20	Emulation of Auto-Reclosing Scheme with Adaptive Dead Time Control for Protection of Series Compensated Transmission Line. Electric Power Components and Systems, 2019, 47, 77-89.	1.8	2
21	Adaptive PID Controller based Static Var Compensation in EHV Transmission Line. , 2021, , .		1
22	Fourier Transform and Probabilistic Neural Network based Fault Detection in Distribution System Containing DGs. , 2021, , .		1
23	Dynamic Psychoanalysis of DC Separately Excited Machine on Laboratory Visualization. , 2021, , .		0