

Majid Sanaye-Pasand

List of Publications by Year in descending order

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times ranked

1659
citing authors

#	ARTICLE	IF	CITATIONS
1	A Traveling-Wave-Based Protection Technique Using Wavelet/PCA Analysis. IEEE Transactions on Power Delivery, 2010, 25, 588-599.	2.9	208
2	A Traveling-Wave-Based Methodology for Wide-Area Fault Location in Multiterminal DC Systems. IEEE Transactions on Power Delivery, 2014, 29, 2552-2560.	2.9	198
3	Enhancement of Power System Stability Using Adaptive Combinational Load Shedding Methods. IEEE Transactions on Power Systems, 2011, 26, 1010-1020.	4.6	112
4	Synchrophasor-Based Wide-Area Backup Protection Scheme with Data Requirement Analysis. IEEE Transactions on Power Delivery, 2015, 30, 1410-1419.	2.9	84
5	Mitigating the Impacts of CCVT Subsidence Transients on the Distance Relay. IEEE Transactions on Power Delivery, 2012, 27, 497-505.	2.9	71
6	Unsynchronised fault location technique for three-terminal lines. IET Generation, Transmission and Distribution, 2015, 9, 2099-2107.	1.4	68
7	A Straightforward Method for Wide-Area Fault Location on Transmission Networks. IEEE Transactions on Power Delivery, 2015, 30, 264-272.	2.9	65
8	Analysis of Ferroresonance Modes in Power Transformers Using Preisach-Type Hysteretic Magnetizing Inductance. IEEE Transactions on Power Delivery, 2007, 22, 919-929.	2.9	61
9	A Novel Approach to Detect the Synchronous Generator Loss of Excitation. IEEE Transactions on Power Delivery, 2015, 30, 1429-1438.	2.9	59
10	Fault Detection During Power Swings Using the Properties of Fundamental Frequency Phasors. IEEE Transactions on Smart Grid, 2019, 10, 1385-1394.	6.2	58
11	Accurate Measurement of Fault Currents Contaminated With Decaying DC Offset and CT Saturation. IEEE Transactions on Power Delivery, 2012, 27, 773-783.	2.9	57
12	An Adaptive Wide-Area Load Shedding Scheme Incorporating Power System Real-Time Limitations. IEEE Systems Journal, 2018, 12, 759-767.	2.9	57
13	High-Frequency Transients-Based Protection of Multiterminal Transmission Lines Using the SVM Technique. IEEE Transactions on Power Delivery, 2013, 28, 188-196.	2.9	56
14	An Accurate Hysteresis Model for Ferroresonance Analysis of a Transformer. IEEE Transactions on Power Delivery, 2008, 23, 1448-1456.	2.9	52
15	Power Transformer Protection Using a Multiregion Adaptive Differential Relay. IEEE Transactions on Power Delivery, 2014, 29, 777-785.	2.9	51
16	Fast and Reliable CT Saturation Detection Using a Combined Method. IEEE Transactions on Power Delivery, 2009, 24, 1037-1044.	2.9	50
17	Fault location on multi-terminal DC systems using synchronized current measurements. International Journal of Electrical Power and Energy Systems, 2014, 63, 779-786.	3.3	48
18	Adaptive load shedding scheme to preserve the power system stability following large disturbances. IET Generation, Transmission and Distribution, 2014, 8, 2124-2133.	1.4	47

#	ARTICLE	IF	CITATIONS
19	An Analytical Approach to Detect Generator Loss of Excitation Based on Internal Voltage Calculation. IEEE Transactions on Power Delivery, 2017, 32, 2329-2338.	2.9	45
20	A New Algorithm to Identify Magnetizing Inrush Conditions Based on Instantaneous Frequency of Differential Power Signal. IEEE Transactions on Power Delivery, 2010, 25, 2223-2233.	2.9	43
21	Locating Faults on Untransposed, Meshed Transmission Networks Using a Limited Number of Synchrophasor Measurements. IEEE Transactions on Power Systems, 2016, 31, 4462-4472.	4.6	41
22	Novel Approach for Secure Islanding Detection in Synchronous Generator Based Microgrids. IEEE Transactions on Power Delivery, 2019, 34, 457-466.	2.9	41
23	An Accurate Current Transformer Model Based on Preisach Theory for the Analysis of Electromagnetic Transients. IEEE Transactions on Power Delivery, 2008, 23, 233-242.	2.9	39
24	Communication-Constrained Regionalization of Power Systems for Synchrophasor-Based Wide-Area Backup Protection Scheme. IEEE Transactions on Smart Grid, 2015, 6, 1530-1538.	6.2	39
25	A Loss-of-Field Detection Relay Based on Rotor Signals Estimation. IEEE Transactions on Power Delivery, 2018, 33, 779-788.	2.9	39
26	Accurate Dynamic Phasor Estimation Based on the Signal Model Under Off-Nominal Frequency and Oscillations. IEEE Transactions on Smart Grid, 2015, , 1-12.	6.2	38
27	Distance Protection During Asymmetrical Power Swings: Challenges and Solutions. IEEE Transactions on Power Delivery, 2018, 33, 2736-2745.	2.9	38
28	Investigation of Neutral Reactor Performance in Reducing Secondary Arc Current. IEEE Transactions on Power Delivery, 2008, 23, 2472-2479.	2.9	37
29	CT Saturation Detection Based on Waveform Analysis Using a Variable-Length Window. IEEE Transactions on Power Delivery, 2011, 26, 2040-2050.	2.9	37
30	Discriminating transformer large inrush currents from fault currents. International Journal of Electrical Power and Energy Systems, 2016, 75, 74-82.	3.3	37
31	An Adaptive Decision Logic to Enhance Distance Protection of Transmission Lines. IEEE Transactions on Power Delivery, 2011, 26, 2134-2144.	2.9	36
32	Adaptive Protection of Parallel Transmission Lines Using Combined Cross-Differential and Impedance-Based Techniques. IEEE Transactions on Power Delivery, 2011, 26, 1829-1840.	2.9	36
33	Flux linkage estimation based loss of excitation relay for synchronous generator. IET Generation, Transmission and Distribution, 2017, 11, 280-288.	1.4	36
34	Generator Out-of-Step Prediction Based on Faster-Than-Real-Time Analysis: Concepts and Applications. IEEE Transactions on Power Systems, 2018, 33, 4563-4573.	4.6	35
35	Compensation of CVT Increased Error and Its Impacts on Distance Relays. IEEE Transactions on Power Delivery, 2012, 27, 1670-1677.	2.9	33
36	Transmission system wide-area back-up protection using current phasor measurements. International Journal of Electrical Power and Energy Systems, 2017, 92, 93-103.	3.3	33

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37	A Novel Protective Scheme to Protect Small-Scale Synchronous Generators Against Transient Instability. IEEE Transactions on Industrial Electronics, 2013, 60, 1659-1667.	5.2	31
38	A Saturation Suppression Approach for the Current Transformerâ€™Part I: Fundamental Concepts and Design. IEEE Transactions on Power Delivery, 2013, 28, 1928-1935.	2.9	29
39	CT Saturation Detection Based on Waveshape Properties of Current Difference Functions. IEEE Transactions on Power Delivery, 2013, 28, 2254-2263.	2.9	27
40	Performance Enhancement of the Transformer Restricted Earth Fault Relay. IEEE Transactions on Power Delivery, 2013, 28, 467-474.	2.9	26
41	A Saturation Suppression Approach for the Current Transformerâ€™Part II: Performance Evaluation. IEEE Transactions on Power Delivery, 2013, 28, 1936-1943.	2.9	24
42	From Available Synchrophasor Data to Short-Circuit Fault Identity: Formulation and Feasibility Analysis. IEEE Transactions on Power Systems, 2017, 32, 2062-2071.	4.6	21
43	Advances in Transmission Network Fault Location in Modern Power Systems: Review, Outlook and Future Works. IEEE Access, 2021, 9, 158599-158615.	2.6	21
44	Waveshape recognition technique to detect current transformer saturation. IET Generation, Transmission and Distribution, 2015, 9, 1430-1438.	1.4	20
45	Transmission line fault location based on three-phase state estimation framework considering measurement chain error model. Electric Power Systems Research, 2020, 178, 106048.	2.1	20
46	Adaptive phasor estimation algorithm to enhance numerical distance protection. IET Generation, Transmission and Distribution, 2017, 11, 1170-1178.	1.4	19
47	Current-Based Out-of-Step Detection Method to Enhance Line Differential Protection. IEEE Transactions on Power Delivery, 2019, 34, 448-456.	2.9	19
48	An Accelerated Single-Pole Trip Scheme for Zone-2 Faults of Distance Relays. IEEE Transactions on Power Delivery, 2017, 32, 678-687.	2.9	18
49	A New Predictive Approach to Wide-Area Out-of-Step Protection. IEEE Transactions on Industrial Informatics, 2019, 15, 1890-1898.	7.2	18
50	An Analytical Fast Decaying DC Mitigation Method for Digital Relaying Applications. IEEE Transactions on Power Delivery, 2021, 36, 3529-3537.	2.9	18
51	CCVT Failure due to Improper Design of Auxiliary Voltage Transformers. IEEE Transactions on Power Delivery, 2012, 27, 391-400.	2.9	17
52	Scrutiny of the Iranian National Grid. IEEE Power and Energy Magazine, 2007, 5, 31-39.	1.6	16
53	An Accurate Non-Pilot Scheme for Accelerated Trip of Distance Relay Zone-2 Faults. IEEE Transactions on Power Delivery, 2021, 36, 1370-1379.	2.9	16
54	Power transformer protection scheme based on time-frequency analysis. International Transactions on Electrical Energy Systems, 2013, 23, 473-493.	1.2	15

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55	Adaptive Single-Phase Auto-Reclosing Approach for Shunt Compensated Transmission Lines. IEEE Transactions on Power Delivery, 2021, 36, 1360-1369.	2.9	15
56	A Robust Multi-Layer Framework for Online Condition Assessment of Power Transformers. IEEE Transactions on Power Delivery, 2022, 37, 947-954.	2.9	15
57	Fast Islanding Detection of Nested Grids Including Multiple Resources Based on Phase Criteria. IEEE Transactions on Smart Grid, 2021, 12, 4962-4970.	6.2	15
58	Distributed Robust Secondary Control of Islanded Microgrids: Voltage, Frequency, and Power Sharing. IEEE Transactions on Power Delivery, 2021, 36, 2501-2509.	2.9	13
59	Appropriate Grounding System for Grid-Connected Small-Scale Synchronous Generators. IEEE Transactions on Industry Applications, 2015, 51, 5390-5397.	3.3	12
60	A Modified Formula for Distance Relaying of Tapped Transmission Lines With Grounded Neutrals. IEEE Transactions on Power Delivery, 2019, 34, 690-699.	2.9	12
61	Underâ€impedance load shedding: a new preventive action against voltage instability. IET Generation, Transmission and Distribution, 2019, 13, 201-208.	1.4	11
62	Discrimination of arcing faults on overhead transmission lines for single-pole auto-reclosure. International Transactions on Electrical Energy Systems, 2013, 23, 1523-1535.	1.2	10
63	An accurate fuzzy logic-based fault classification algorithm using voltage and current phase sequence components. International Transactions on Electrical Energy Systems, 2015, 25, 2275-2288.	1.2	10
64	Preventing maloperation of distance protection due to CCVT transients. IET Generation, Transmission and Distribution, 2019, 13, 2828-2835.	1.4	10
65	A Novel DC Transmission System Fault Location Technique for Offshore Renewable Energy Harvesting. IEEE Transactions on Power Delivery, 2020, 35, 2885-2895.	2.9	10
66	A New Fuzzy-logic-based Extended Blocking Scheme for Differential Protection of Power Transformers. Electric Power Components and Systems, 2010, 38, 675-694.	1.0	9
67	Accelerated distance protection for transmission lines based on accurate fault location. Electric Power Systems Research, 2021, 193, 107021.	2.1	9
68	Online Sensitive Turn-to-Turn Fault Detection in Power Transformers. IEEE Transactions on Industrial Electronics, 2022, 69, 13555-13564.	5.2	9
69	A novel technique for internal fault detection of power transformers based on moving windows. International Transactions on Electrical Energy Systems, 2014, 24, 1263-1278.	1.2	8
70	Predictive autoâ€reclosure approach to enhance transient stability of gridâ€connected DGs. IET Generation, Transmission and Distribution, 2019, 13, 3011-3019.	1.4	8
71	Preventing Transformer Energizing Resonant Overvoltages Using Surge Arrester Temperature Rise Index and Controlled Closing Method. IEEE Transactions on Power Delivery, 2013, 28, 998-1006.	2.9	7
72	Improvement of distance relay zone-3 security using fault and breaker opening generated traveling waves. International Transactions on Electrical Energy Systems, 2017, 27, e2414.	1.2	7

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73	A precise analytical method for fault location in double-circuit transmission lines. International Journal of Electrical Power and Energy Systems, 2021, 126, 106568.	3.3	7
74	Fast Low Frequency Fault Location and Section Identification Scheme for VSC-Based Multi-Terminal HVDC Systems. IEEE Transactions on Power Delivery, 2022, 37, 2220-2229.	2.9	7
75	A Straightforward and Robust Algorithm for Accurate Estimation of Power System Frequency. IEEE Transactions on Industrial Electronics, 2021, 68, 12830-12839.	5.2	7
76	Application of universal neutral reactor in shunt compensated transmission lines: feasibility study. IET Generation, Transmission and Distribution, 2018, 12, 2181-2189.	1.4	6
77	Novel Relative Slip Based Under-Voltage Load Shedding Protection Scheme to Mitigate FIDVR. IEEE Transactions on Power Delivery, 2023, 38, 277-286.	2.9	6
78	Improved Gapped-Core CT Dimensioning Algorithm Considering Relay and System Requirements. IEEE Transactions on Power Delivery, 2013, 28, 788-796.	2.9	5
79	Current-based blocking scheme to stabilize distribution network relays against FIDVR. International Journal of Electrical Power and Energy Systems, 2021, 132, 107205.	3.3	5
80	Impacts of Loop Restoration Strategy on distribution system reliability. , 2009, , .		4
81	Development of two indices based on discrete wavelet transform for transformer differential protection. European Transactions on Electrical Power, 2012, 22, 1078-1092.	1.0	4
82	Accelerated Zone II Operation of Distance Relay Using Impedance Change Directions. IEEE Transactions on Power Delivery, 2016, , 1-1.	2.9	4
83	Adaptive Wide-Area Load Shedding Scheme Based on the Sink and Source Concept to Preserve Power System Stability. IEEE Systems Journal, 2023, 17, 503-512.	2.9	4
84	Innovative Load Shedding Scheme to Restore Synchronous Generator-Based Microgrids During FIDVR. IEEE Transactions on Smart Grid, 2023, 14, 388-399.	6.2	4
85	Robust fuzzy model predictive control for voltage regulation in islanded microgrids. IET Generation, Transmission and Distribution, 2022, 16, 1013-1029.	1.4	3
86	An analytical-based method to postpone generator tripping during loss-of-excitation events. , 2018, , .		2
87	Improved zone-3 distance protection based on adjacent relays data. International Transactions on Electrical Energy Systems, 2019, 29, e2726.	1.2	2
88	Development of a data compression index for discrimination between transformer internal faults and inrush currents. , 2009, , .		1
89	Resolving Current Transformer Partial Saturation Problem: An Analytical Approach to Design the Flux Equalizing Winding. IEEE Transactions on Power Delivery, 2022, 37, 4145-4153.	2.9	1
90	Correction to "Fast and Reliable CT Saturation Detection Using a Combined Method". IEEE Transactions on Power Delivery, 2009, 24, 2463-2463.	2.9	0